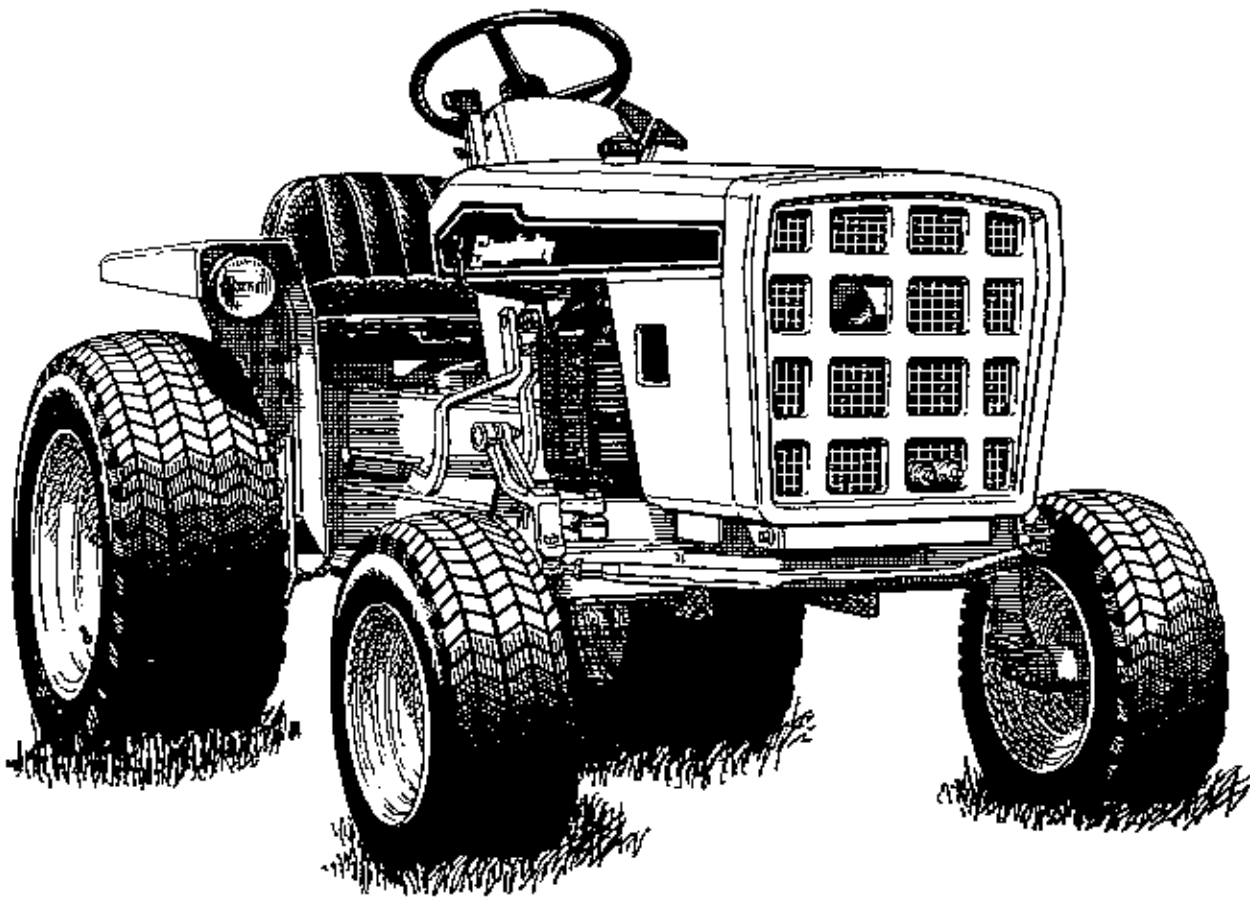


Simplicity[®]

PARTS MANUAL MODEL 9020



19 1/2 H.P. TRACTOR
MFG. NO. 1690230
19 1/2 H.P. TRACTOR
With 3 PT. HITCH and REAR P.T.O.
MFG. NO. 1690283

Attention Dealers:

For quick, accurate reference when making warranty claims, group numbers are given with each parts section. Also note that serial numbers of units are listed to locate any difference in parts which may occur in later models. Be aware of these unit serial numbers when ordering parts.

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings. These provide easy reference notes for repair and troubleshooting.

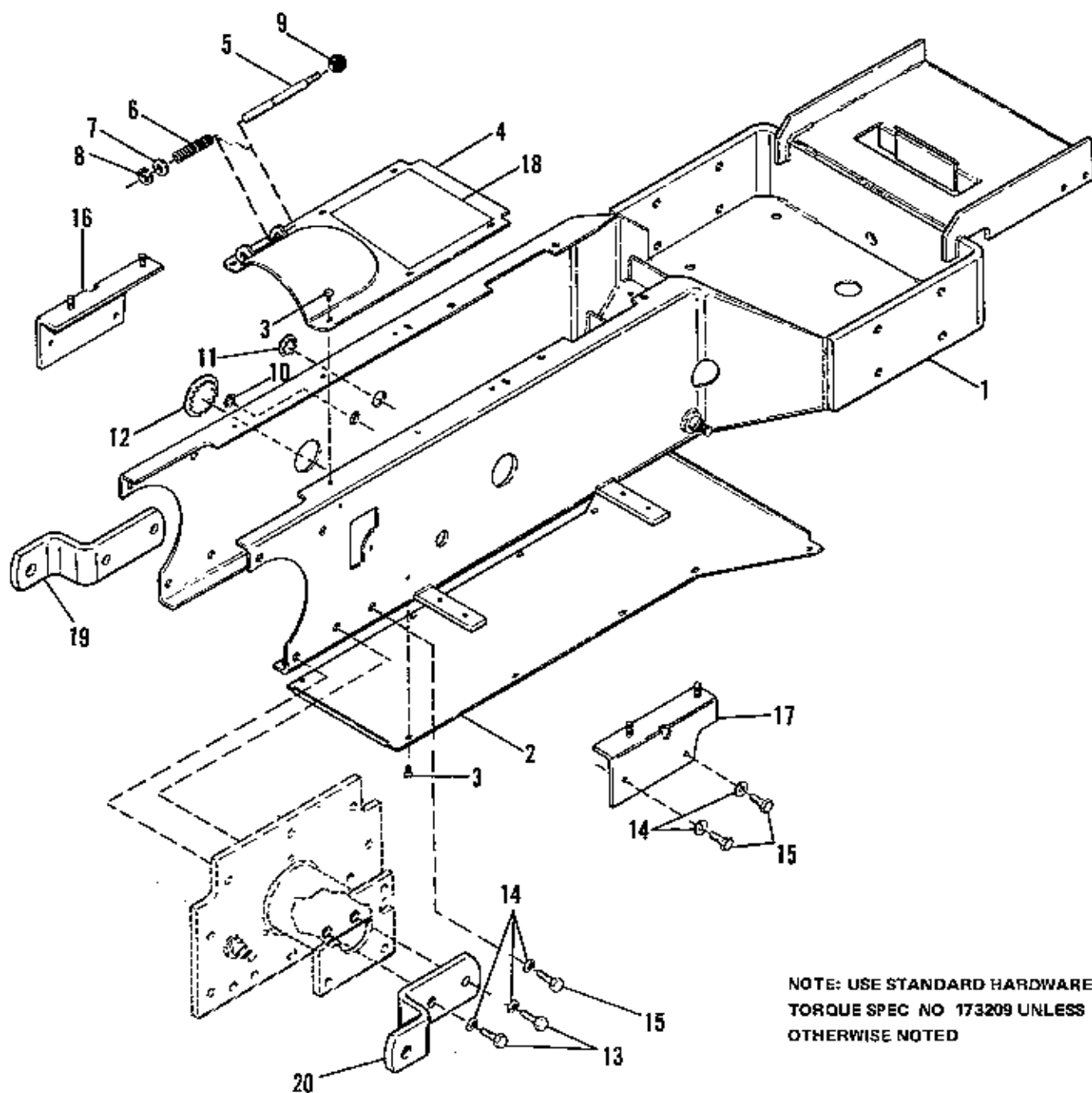
CRITICAL and MAJOR notations point out important facts or instructions which relate to safety or reliability and machine quality. The CRITICAL notation **[C]** pinpoints characteristics which, if not properly followed, can create a safety hazard. The MAJOR notation **[M]** marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

Simplicity
Technical Publications

NOTE: SPECIFICATIONS MAY CHANGE WITHOUT NOTICE.

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STANDARD HARDWARE TORQUE SPECIFICATIONS	Inside Back Cover



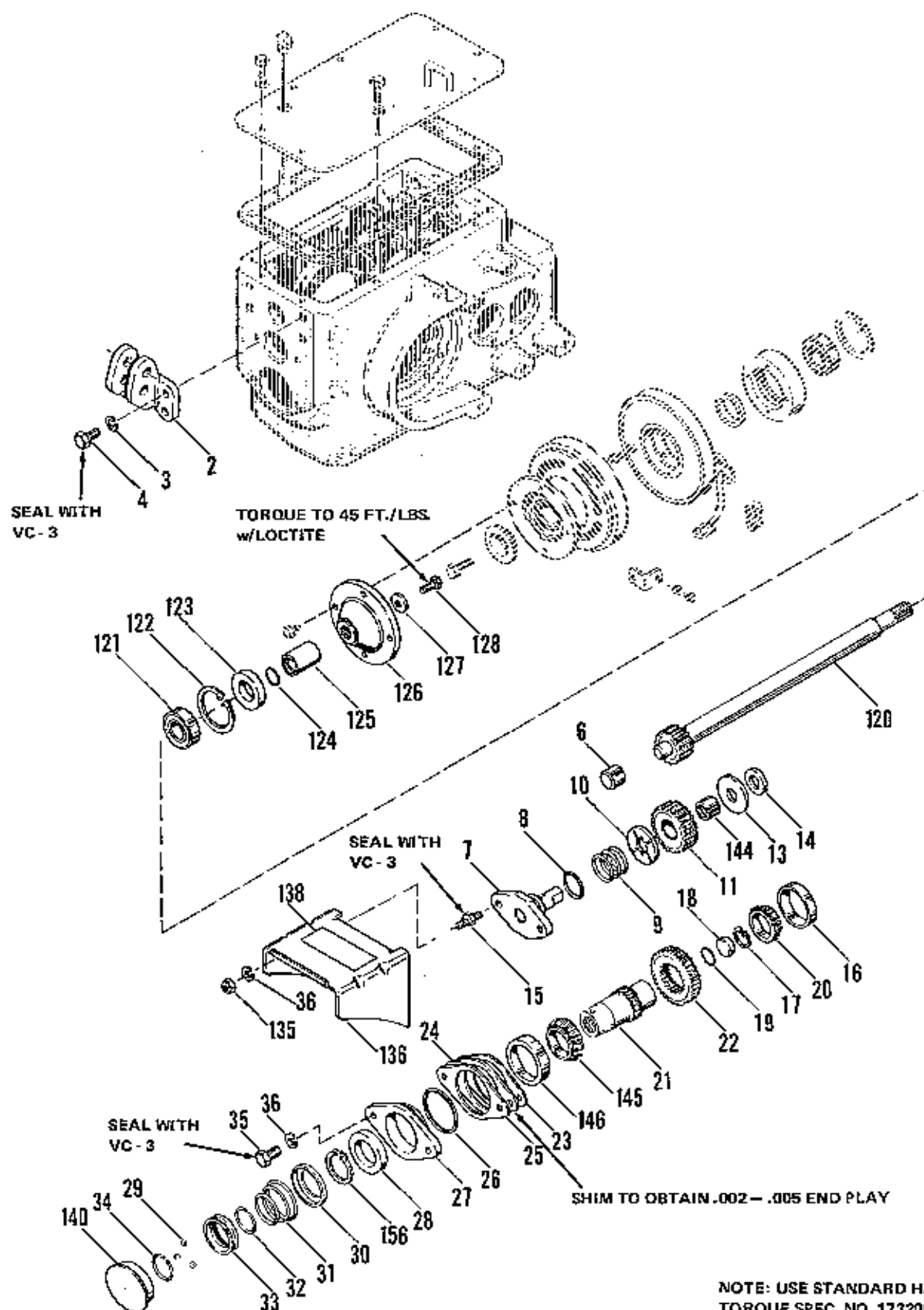
NOTE: USE STANDARD HARDWARE
TORQUE SPEC NO 173209 UNLESS
OTHERWISE NOTED

Frame Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	176593	1	{00000}-{ }	FRAME ASSY
2	172629	1	{00000}-{ }	COVER, Bottom
3	929000	16	{00000}-{ }	SCREW, Washer, Tapite, 1/4-20 x 3/4
4	1656963	1	{00000}-{ }	COVER ASSY
5	1656966	1	{00000}-{ }	LATCH
6	1656967	1	{00000}-{ }	SPRING
7	153072	1	{00000}-{ }	WASHER
8	158399	1	{00000}-{ }	RING, Retaining
9	173748	1	{00000}-{ }	KNOB
*10	174277	2	{00000}-{ }	PLUG, Hole
11	173339	1	{00000}-{ }	PLUG, Hole
12	173341	2	{00000}-{ }	PLUG, Hole
13	921024	4	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 2
14	916966	10	{00000}-{ }	LOCKWASHER, 1/2
15	920328	6	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 1-1/2
16	1656903	1	{00000}-{ }	SUPPORT ASSY, Seat, L.H.
17	1656904	1	{00000}-{ }	SUPPORT ASSY, Seat, R.H.
18	1657368	1	{00000}-{ }	DECAL, Shift & Safety
19	172197	1	{00000}-{ }	STRAP, Pull Link, L.H. [Used on 1690230 Only]
20	170185	1	{00000}-{ }	STRAP, Pull Link, R.H. [Used on 1690230 Only]

* QTY. 1 USED ON 1690283



Transmission Group

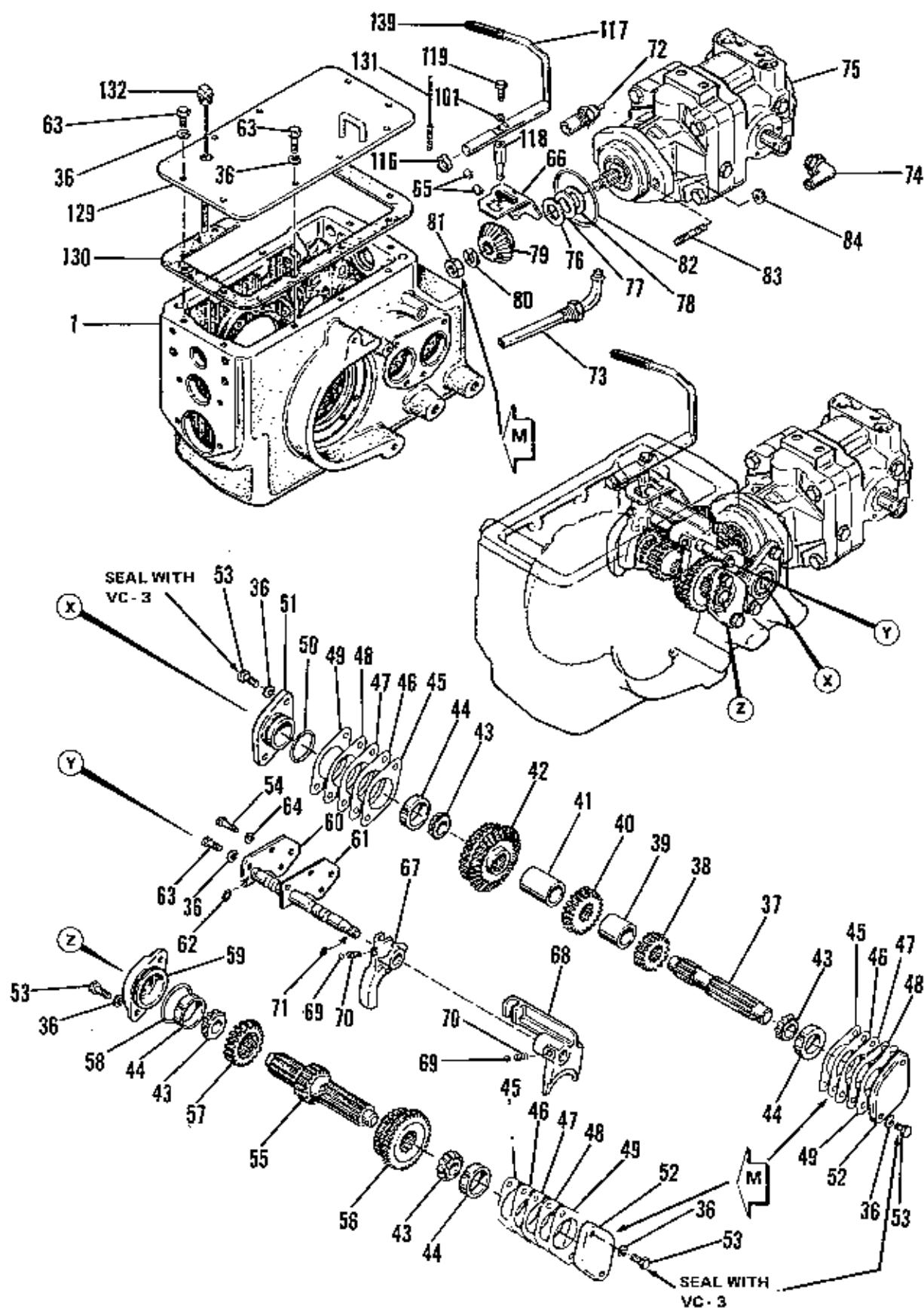
10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	176600	1	{00000}-{ }	CASE, Transmission
2	171722	1	{00000}-{ }	SUPPORT, Upper Link (Used on 1690230 Only)
3	918199	4	{00000}-{ }	LOCKWASHER, 7/16
*4	928711	4	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 5/8
4	920677	4	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 1-1/4
5	170806	6	{00000}-{ }	STUD
6	171185	1	{00000}-{ }	BEARING
7	173878	1	{00000}-{ }	CAP ASSY
8	171192	1	{00000}-{ }	"O" RING
9	174437	1	{00000}-{ }	SPRING
10	173882	1	{00000}-{ }	WASHER, Thrust
11	175150	1	{00000}-{ }	GEAR ASSY
12	170803	2	{00000}-{ }	STUD
13	173881	1	{00000}-{ }	WASHER, Thrust
14	173880	1	{00000}-{ }	WASHER
15	171786	2	{00000}-{ }	STUD
16	173196	1	{00000}-{ }	BEARING, Cup
17	172128	1	{00000}-{ }	RING, Retaining
18	173030	1	{00000}-{ }	PLUG
19	173094	1	{00000}-{ }	"O" RING
20	173197	1	{00000}-{ }	BEARING, Cone
21	178667	1	{00000}-{ }	SHAFT, Drive
22	171124	1	{00000}-{ }	GEAR, 36 Teeth
23	173198	3	{00000}-{ }	SHIM, .002 Red
24	173199	3	{00000}-{ }	SHIM, .010 Brown
25	173200	3	{00000}-{ }	SHIM, .003 Green
26	173186	1	{00000}-{ }	"O" RING
27	173175	1	{00000}-{ }	CAP
28	173184	1	{00000}-{ }	SEAL
29	176658	3	{00000}-{ }	BALL, 3/8
30	175334	1	{00000}-{ }	RETAINER
31	175324	1	{00000}-{ }	SPRING
32	176657	1	{00000}-{ }	RETAINER, Spring
33	176656	1	{00000}-{ }	COLLAR
34	178431	1	{00000}-{ }	RING, Retaining
35	921210	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1
**36	916965	35	{00000}-{ }	LOCKWASHER, 3/8
37	170823	1	{00000}-{ }	SHAFT
38	170826	1	{00000}-{ }	GEAR, 18 Teeth
39	170810	1	{00000}-{ }	SPACER
40	170825	1	{00000}-{ }	GEAR, 23 Teeth
41	170811	1	{00000}-{ }	SPACER
42	170833	1	{00000}-{ }	GEAR ASSY, Bevel
43	154486	4	{00000}-{ }	BEARING, Cone
44	154393	4	{00000}-{ }	BEARING, Cup
45	170840	3	{00000}-{ }	SHIM, .002 Red
46	170841	3	{00000}-{ }	SHIM, .003 Green
47	170842	3	{00000}-{ }	SHIM, .005 Blue
48	170843	3	{00000}-{ }	SHIM, .010 Brown
49	176803	3	{00000}-{ }	SHIM, .030 Coral
50	174554	1	{00000}-{ }	"O" RING
51	174555	1	{00000}-{ }	CAP, Bearing
52	170773	2	{00000}-{ }	CAP, Bearing
53	919357	8	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 7/8
54	921960	2	{00000}-{ }	CAPSCREW, Hex, 1/4-20 x 1
55	172857	1	{00000}-{ }	GEAR, Slider
56	172862	1	{00000}-{ }	GEAR ASSY, Lo & 2nd

* USE 928711 FOR MFG. NO. 1690283

USE 920677 FOR MFG. NO. 1690230

** QTY. 33 USED ON MFG. NO. 1690230



Transmission Group

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Ref. No.	Part No.	Qty.	Serial No.	Description
57	172855	1	(00000)-()	GEAR, 20 Teeth
58	170838	1	(00000)-()	"O" RING
59	170774	1	(00000)-()	CAP, Bearing
60	1857133	1	(00000)-()	SHAFT ASSY
61	172108	1	(00000)-()	GASKET
62	185006	1	(00000)-()	"O" RING
63	908127	11	(00000)-()	CAPSCREW, Hex, 3/8-16 x 3/4
64	172101	2	(00000)-()	WASHER, Seal
65	172656	2	(00000)-()	SPACER
66	172107	1	(00000)-()	GUIDE ASSY
67	170776	1	(00000)-()	FORK, Shift, Hi
68	170777	1	(00000)-()	FORK, Shift, Lo & 2nd
69	905359	2	(00000)-()	BALL, Shiftlock
70	154323	2	(00000)-()	SPRING
71	170837	1	(00000)-()	"O" RING
72	171498	1	(00000)-()	SWITCH, Indicator Light
73	174627	1	(00000)-()	ELBOW, 90°
74	174628	1	(00000)-()	ELBOW, 90°
75	171189	1	(00000)-()	HYDRO. MOTOR, w/Pump
76	170898	3	(00000)-()	SHIM, .002 Red
77	170899	3	(00000)-()	SHIM, .003 Green
78	170900	1	(00000)-()	SHIM, .005 Blue
79	170867	1	(00000)-()	PINION, Bevel, 24 Teeth
80	172016	1	(00000)-()	WASHER
81	919262	1	(00000)-()	NUT, Hex, Jam, 1/2-20
82	172915	1	(00000)-()	"O" RING
83	173424	2	(00000)-()	STUD
84	928352	2	(00000)-()	NUT, Flange, Whizlock
85	168015	1	(00000)-()	GEAR ASSY, Differential
86	168028	2	(00000)-()	WASHER, Thrust
87	168023	2	(00000)-()	GEAR, Differential
88	168024	2	(00000)-()	CLUTCH, Differential
89	168025	4	(00000)-()	WASHER, Spring
90	168010	8	(00000)-()	SHAFT, Pinion
91	927728	16	(00000)-()	RING, Retaining
92	168011	8	(00000)-()	GEAR, Pinion
93	168012	8	(00000)-()	SPACER
94	168009	1	(00000)-()	CARRIER, Gear
95	168013	4	(00000)-()	PLATE, Locking
96	928726	6	(00000)-()	CAPSCREW, Hex, 3/8-16 x 1-1/4
97	168008	2	(00000)-()	BEARING, Cup
98	176644	2	(00000)-()	SUPPORT ASSY
99	170839	2	(00000)-()	"O" RING
100	917397	4	(00000)-()	CAPSCREW, Hex, 5/16-18 x 3/4
101	917356	5	(00000)-()	LOCKWASHER, 5/16
102	172900	2	(00000)-()	ROD ASSY, Brake
103	923087	6	(00000)-()	PIN, 3/8
104	918447	6	(00000)-()	PIN, Cotter, 3/4 x 3/32
105	168063	2	(00000)-()	BRAKE ASSY, Disc.
106	1652831	2	(00000)-()	LEVER, Brake
107	170802	4	(00000)-()	PLATE, Link

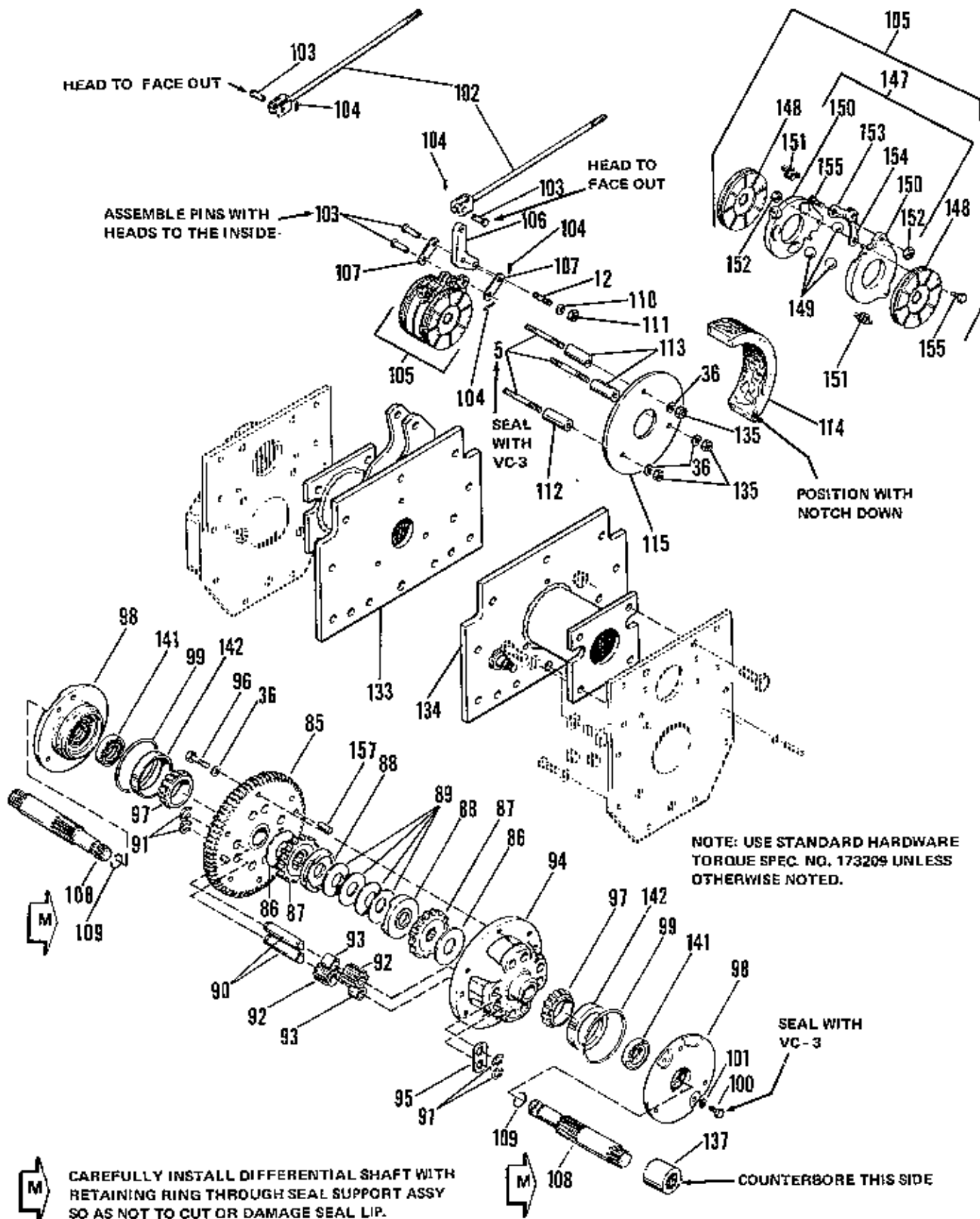
INSTALL BEVEL GEAR ON HYDRO SHAFT
AND TORQUE NUT TO 40-45 FT./LBS. BEND
WASHER AGAINST FLAT OF NUT TO LOCK
IN PLACE.



SHIM BEARING CAPS ON RIGHT SIDE OF
INPUT AND SECONDARY SHAFTS TO
OBTAIN .003 - .005 END PLAY.

APPLY VC-3 SEALANT ON ALL SCREWS
WHERE TAPPED HOLES IN CASE ARE
THROUGH INTO CASE.





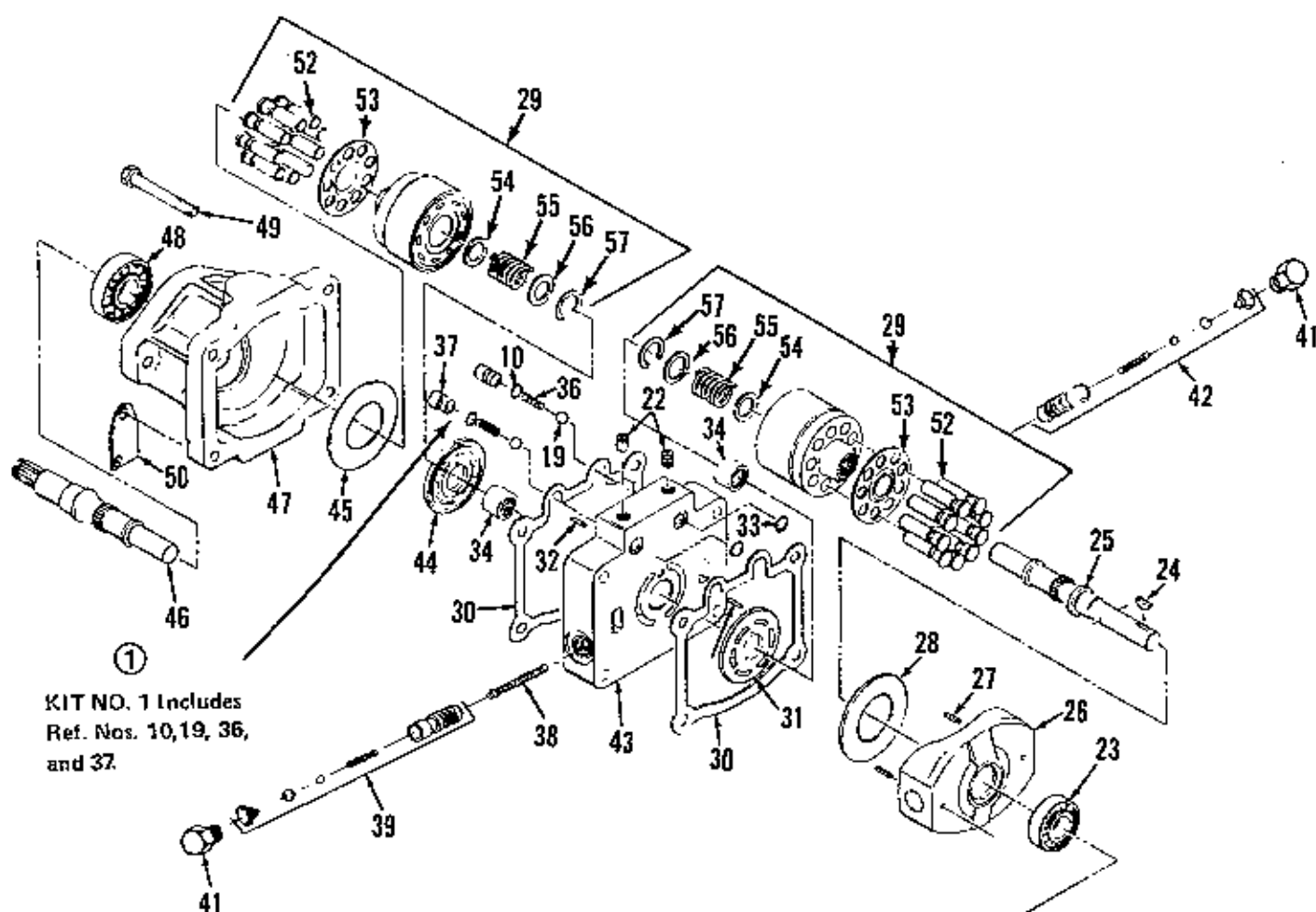
Transmission Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
108	168027	2	{00000}-{ }	SHAFT, Differential
109	170824	2	{00000}-{ }	RING, Retaining
110	917642	2	{00000}-{ }	WASHER
111	928731	2	{00000}-{ }	NUT, Hex, Lock, Jam, 3/8-16
112	170813	2	{00000}-{ }	SPACER
113	170814	4	{00000}-{ }	SPACER
114	176528	2	{00000}-{ }	PAD
115	171562	2	{00000}-{ }	PLATE, Shim
116	167618	1	{00000}-{ }	SEAL, Oil
117	1656897	1	{00000}-{ }	SHIFT LEVER ASSY
118	170804	1	{00000}-{ }	STEM, Shift
119	921333	1	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 1
120	176109	1	{00000}-{ }	SHAFT ASSY, PTO
121	118011	1	{00000}-{ }	BEARING, Ball
122	173512	1	{00000}-{ }	RING, Retaining
123	168006	1	{00000}-{ }	SEAL, Brake
124	176111	1	{00000}-{ }	"O" RING
125	176110	1	{00000}-{ }	SPACER
126	172540	1	{00000}-{ }	HUB
127	157424	1	{00000}-{ }	WASHER, Special
128	928728	1	{00000}-{ }	SCREW, Hex, Loc, 3/8-16 x 1
129	174792	1	{00000}-{ }	COVER ASSY
130	170831	1	{00000}-{ }	GASKET
131	173473	1	{00000}-{ }	BRUSH
132	175835	1	{00000}-{ }	DIP STICK ASSY
133	1657201	1	{00000}-{ }	AXLE EXTENSION ASSY, L.H.
134	1657202	1	{00000}-{ }	AXLE EXTENSION ASSY, R.H.
*135	916950	8	{00000}-{ }	NUT, Hex, 3/8-16
*136	175245	1	{00000}-{ }	SHIELD
137	168050	2	{00000}-{ }	COUPLING, Axle
*138	173937	1	{00000}-{ }	DECAL, Safety
139	1651820	1	{00000}-{ }	COVER, Handle
140	1653523	1	{00000}-{ }	CAP, Protective
141	168006	2	{00000}-{ }	SEAL, Brake
142	168007	2	{00000}-{ }	BEARING, Cone
143		2	{00000}-{ }	GEAR, 27 Teeth (See Ref. No. 11)
144	171186	2	{00000}-{ }	BEARING
145	173195	1	{00000}-{ }	BEARING, Cone
146	173194	1	{00000}-{ }	BEARING, Cup
147	174669	2	{00000}-{ }	ACTUATING DISC ASSY
148	174668	4	{00000}-{ }	MIDDLE DISC ASSY
149	174670	8	{00000}-{ }	BALL
150	174671	4	{00000}-{ }	DISC, Actuating
151	174672	4	{00000}-{ }	SPRING
152	174673	4	{00000}-{ }	NUT, Hex, Jam
153	174674	2	{00000}-{ }	LINK ASSY, Yoke
154	174675	2	{00000}-{ }	LINK, Actuating
155	174676	4	{00000}-{ }	STUD
156	173210	1	{00000}-{ }	RING, Retaining
157	168005	2	{00000}-{ }	PIN, Dowel
158	1664204	4	{00000}-{ }	SHIM, .010

*USE ON MFG. NO. 1690283 ONLY

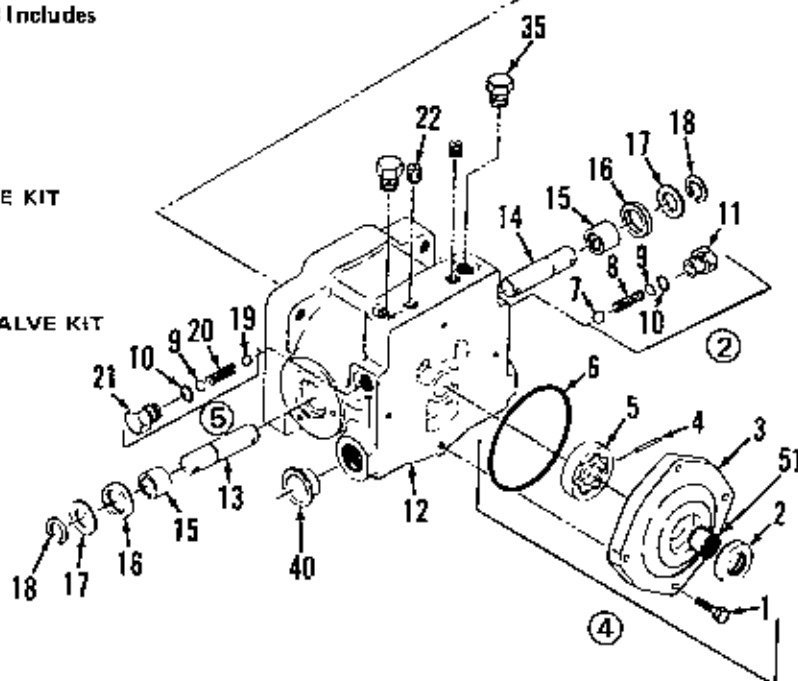
** QTY. 6 USED ON MFG. NO. 1690230



KIT NUMBER:

- | | |
|-----------|---------------------------|
| 1 1652280 | 1 CHECK VALVE KIT |
| 2 1652281 | 1 IMP.: RELIEF VALVE KIT |
| 3 1685044 | 1 SEAL REPAIR KIT |
| 4 1685041 | 1 CHARGE PUMP KIT |
| 5 1685042 | 1 CHARGE RELIEF VALVE KIT |

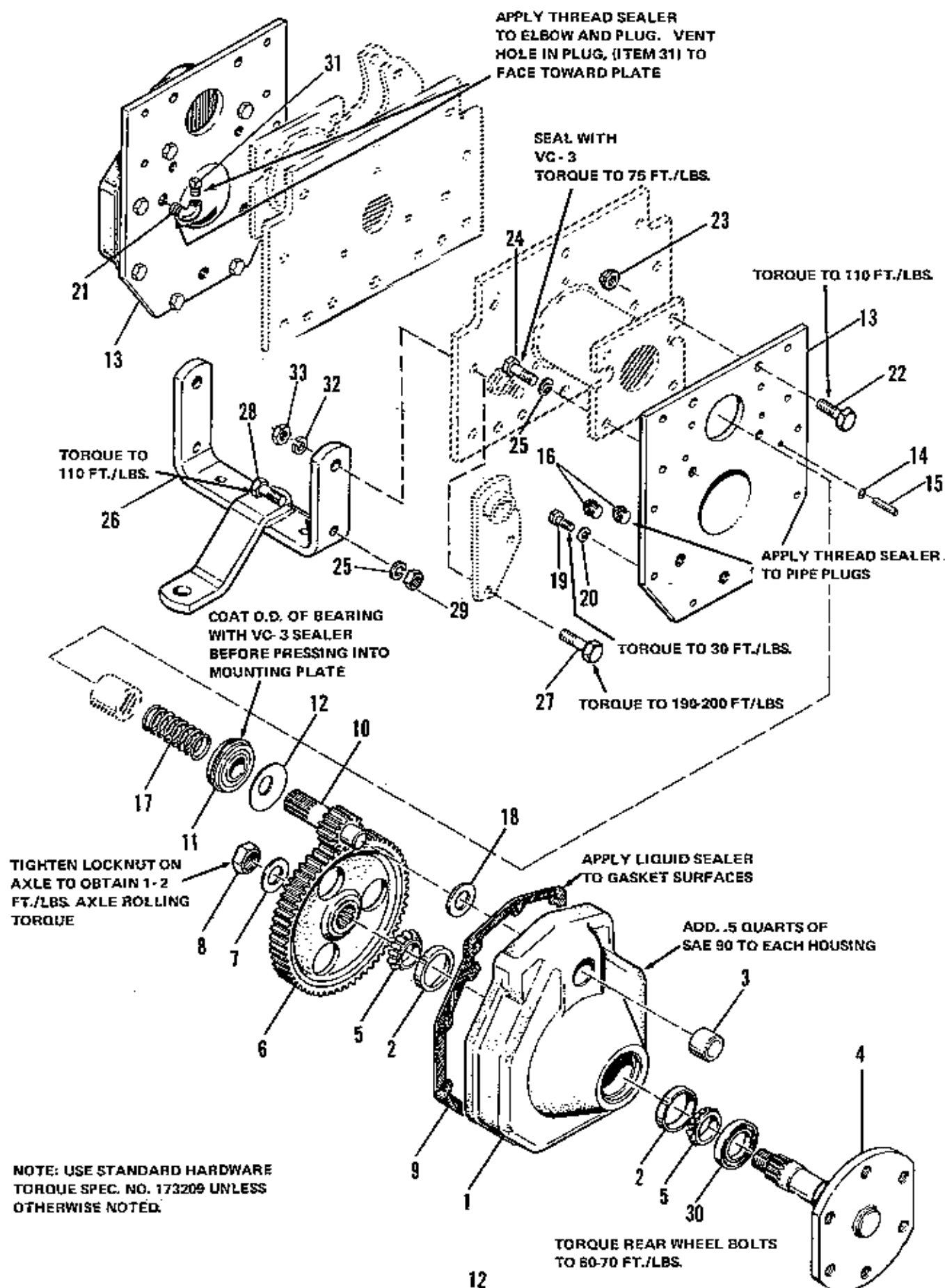
NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.



Hydrostatic Transmission

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	921977	4	{00000}-{ }	CAPSCREW, Hex Hd.
2	1652232	1	{00000}-{ }	SEAL, Lip
3	1652241	1	{00000}-{ }	HOUSING, Charge Pump
4	1652242	1	{00000}-{ }	PIN, Headless, Str.
5	1652243	1	{00000}-{ }	GEROTOR ASSY.
6	1652244	1	{00000}-{ }	"O" RING
7	1652245	1	{00000}-{ }	VALVE, Impeller Relief
8	1652246	1	{00000}-{ }	SPRING, Impeller Relief Valve
9	1652218	A/R	{00000}-{ }	SHIM PACK
10	1652191	4	{00000}-{ }	"O" RING
11	1652247	1	{00000}-{ }	PLUG, Hex Hd.
12	1652248	1	{00000}-{ }	HOUSING, Pump
13	1652249	1	{00000}-{ }	SHAFT, Trunnion
14	1652250	1	{00000}-{ }	SHAFT, Trunnion
15	1652251	2	{00000}-{ }	BEARING, Needle
16	1652234	2	{00000}-{ }	SEAL, Lip
17	1652235	2	{00000}-{ }	WASHER
18	1652192	2	{00000}-{ }	RING, Retaining
19	1652252	2	{00000}-{ }	BALL
20	1652253	1	{00000}-{ }	SPRING, Charge Relief Valve
21	1652255	1	{00000}-{ }	PLUG, Hex Hd.
22	1652213	6	{00000}-{ }	PLUG, Pipe
23	1652231	1	{00000}-{ }	BEARING, Ball
24	1652256	1	{00000}-{ }	KEY, Woodruff
25	1652257	1	{00000}-{ }	SHAFT, Pump
26	1652258	1	{00000}-{ }	PLATE, Swash
27	1652226	3	{00000}-{ }	PIN, Coiled Spring
28	1652259	1	{00000}-{ }	PLATE, Thrust
29	1652188	2	{00000}-{ }	CYLINDER BLOCK KIT
30	1652260	2	{00000}-{ }	GASKET
31	1652261	1	{00000}-{ }	PLATE, Valve
32	1652224	2	{00000}-{ }	PIN, Headless Str.
33	1652262	2	{00000}-{ }	"O" RING
34	1652263	2	{00000}-{ }	BEARING, Needle
35	1652264	2	{00000}-{ }	PLUG, Plastic
36	1652265	2	{00000}-{ }	SPRING, Check Valve
37	1652266	2	{00000}-{ }	SPRING, Check Valve
38	1652267	1	{00000}-{ }	SPRING, Acceleration
39	1652268	1	{00000}-{ }	VALVE, Acceleration
40	1652269	1	{00000}-{ }	PLUG, Plastic
41	1652270	2	{00000}-{ }	PLUG, Hex Hd.
42	1652271	1	{00000}-{ }	VALVE, Acceleration
43	1652272	1	{00000}-{ }	SECTION, Center
44	1652273	1	{00000}-{ }	PLATE, Valve
45	1652274	1	{00000}-{ }	PLATE, Thrust
46	1652275	1	{00000}-{ }	SHAFT, Motor
47	1652276	1	{00000}-{ }	HOUSING, Motor
48	1652181	1	{00000}-{ }	BEARING, Ball
49	1652277	4	{00000}-{ }	CAPSCREW, Hex Hd.
50	1652278	1	{00000}-{ }	NAMEPLATE
51	1652279	1	{00000}-{ }	BEARING, Needle
52		18	{00000}-{ }	PISTON, (See Ref. No. 29)
53	1656006	2	{00000}-{ }	RETAINER
54	1656007	2	{00000}-{ }	WASHER
55	1656006	2	{00000}-{ }	SPRING
56	1656006	2	{00000}-{ }	WASHER
57	1656004	2	{00000}-{ }	RING, Retaining



Rear Axle

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	176177	2	{00000}-{ }	HOUSING, Drop
2	173194	4	{00000}-{ }	BEARING, Cup
3	168056	2	{00000}-{ }	BEARING, Roller
4	175596	2	{00000}-{ }	AXLE ASSY, Rear
5	173195	4	{00000}-{ }	BEARING, Cone
6	175599	2	{00000}-{ }	GEAR, Bull
7	105083	2	{00000}-{ }	WASHER
8	930634	2	{00000}-{ }	NUT, Hex, Lock, Jam, 1-14
9	168057	2	{00000}-{ }	GASKET
10	168053	2	{00000}-{ }	PINION, Bull
11	168054	2	{00000}-{ }	BEARING, Axle
12	173418	2	{00000}-{ }	SLINGER
13	168048	2	{00000}-{ }	PLATE, Housing
14	170837	4	{00000}-{ }	"O" RING
15	198113	4	{00000}-{ }	PIN, Spring, 3/8-x1
16	901653	4	{00000}-{ }	PIPE, Plug, 3/8
17	172498	2	{00000}-{ }	SPRING
18	168055	2	{00000}-{ }	WASHER, Thrust
19	921210	16	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x1 Gr. 5
20	916965	16	{00000}-{ }	LOCKWASHER, 3/8
21	907059	2	{00000}-{ }	ELBOW, Street, 90°, 1/4
22	923154	4	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 1-1/2 Gr. 8
23	930644	4	{00000}-{ }	NUT, Flange, 1/2-13
24	923114	4	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 1 Gr. 5
25	916966	6	{00000}-{ }	LOCKWASHER, 1/2
26	168321	1	{00000}-{ }	DRAWBAR ASSY
27	923881	2	{00000}-{ }	CAPSCREW, Hex, 5/8-11 x 2, Gr. 8
28	920328	2	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 1-1/2
29	916951	2	{00000}-{ }	NUT, Hex, 1/2-13
30	175601	2	{00000}-{ }	SEAL, Oil
31	1663381	2	{00000}-{ }	PLUG, Vent
32	917373	2	{00000}-{ }	LOCKWASHER, 5/8
33	1654237	2	{00000}-{ }	NUT, Hex, 5/8-11

Rear PTO

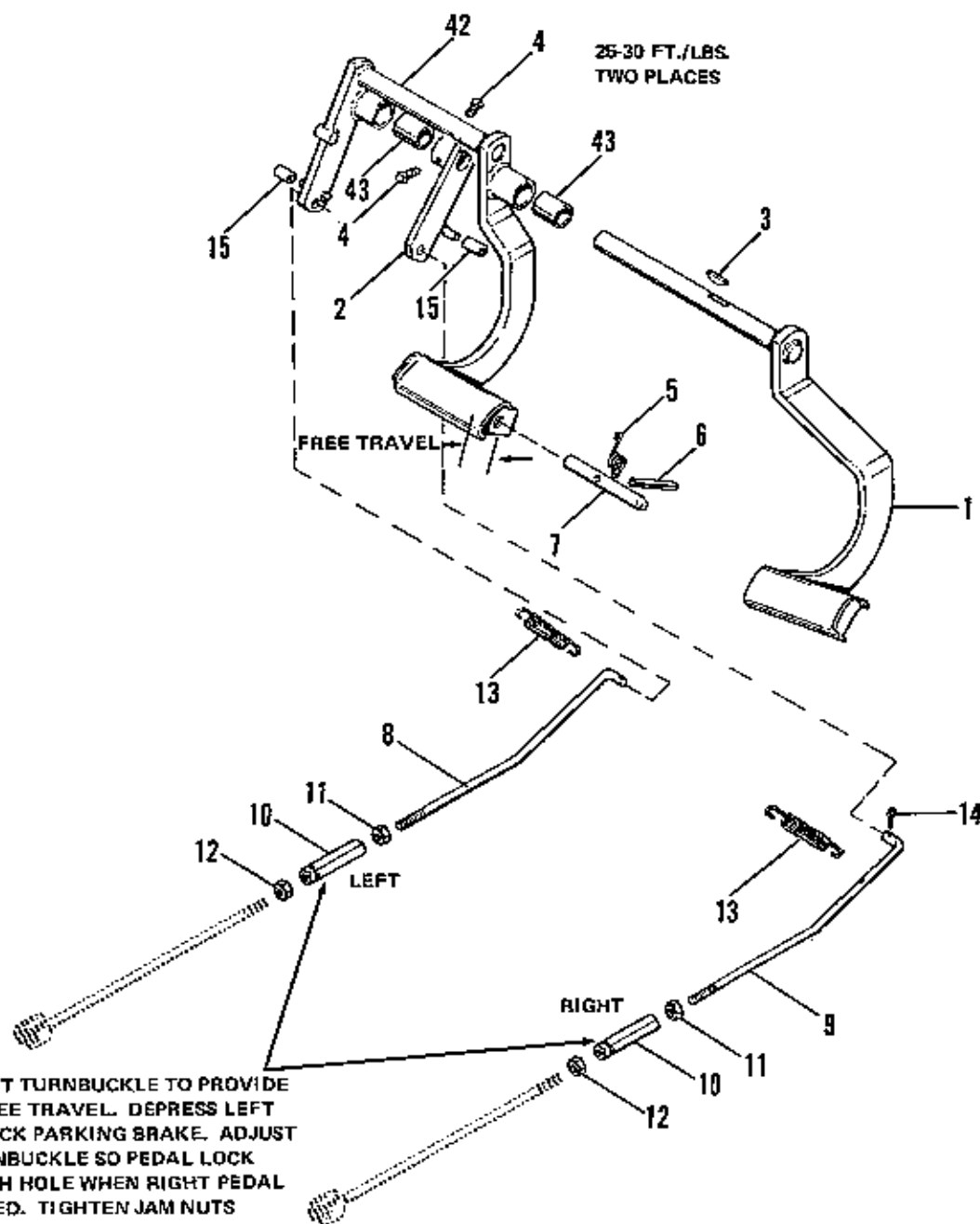
10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	175228	1	{00000}-{ }	YOKE
2	177943	2	{00000}-{ }	BUSHING
3	153052	6	{00000}-{ }	WASHER
4	108412	2	{00000}-{ }	BOLT, Shoulder
5	177134	1	{00000}-{ }	PLUG
6	912808	1	{00000}-{ }	FITTING, Lube, 1/4-28
7	175230	1	{00000}-{ }	COUPLING
8	928352	2	{00000}-{ }	NUT, Flange, Whiz Lock, 3/8-16
9	923938	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 3-1/2
10	916965	2	{00000}-{ }	LOCKWASHER, 3/8
11	1650720	1	{00000}-{ }	BEARING, PTO Retainer
12	172539	2	{00000}-{ }	SPACER
13	177141	1	{00000}-{ }	WASHER, Felt
14	172266	1	{00000}-{ }	WASHER, Rubber
15	176046	1	{00000}-{ }	SHAFT ASSY
16	176650	1	{00000}-{ }	KEY
17	176048	1	{00000}-{ }	WASHER
18	176047	1	{00000}-{ }	RETAINER, Bearing
19	176049	1	{00000}-{ }	RING, Retaining
20	176050	1	{00000}-{ }	BEARING
21	1652133	1	{00000}-{ }	CLUTCH ASSY
22	173395	1	{00000}-{ }	COLLAR
23	928727	1	{00000}-{ }	SCREW, Whiz Lock, 3/8-16 x 1-1/4
24	930613	4	{00000}-{ }	CAPSCREW, Hex, No. 10-32 x 1/2
25	909055	4	{00000}-{ }	LOCKWASHER, No. 10
26	174276	1	{00000}-{ }	BRACKET ASSY
27	171101	1	{00000}-{ }	LINK, Connect
28	927477	4	{00000}-{ }	SCREW, Taptite, 5/16-18 x 1
29	916019	1	{00000}-{ }	CAPSCREW, Hex, 1/4-20 x 3/4
30	916964	1	{00000}-{ }	LOCKWASHER, 1/4
**31	177960	1	{00000}-{ }	BEARING
32	1652355	1	{00000}-{ }	ROTOR ARMATURE
33	1652356	1	{00000}-{ }	FIELD ASSY
**34	1663355	1	{00000}-{ }	BEARING, Wide Race

*NOTE: Parts for Rear PTO Kit 1685062 include all parts above, and one each of Ref. No. 2 & 3 on page 34 & 35 and Ref. No. 136 & 138 on page 4 & 9

** NOTE: Order part no. 177960 to replace bearing with narrow inner race.

Order part no. 1663355 to replace bearing with wide inner race. (See Service Bulletin 77-4)



NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

BRAKE CHECK:

1. BRAKES TO FUNCTION INDEPENDENTLY IN FORWARD & REVERSE
2. BRAKES TO ENGAGE BOTH WHEELS EVENLY WITH PEDALS LOCKED TOGETHER

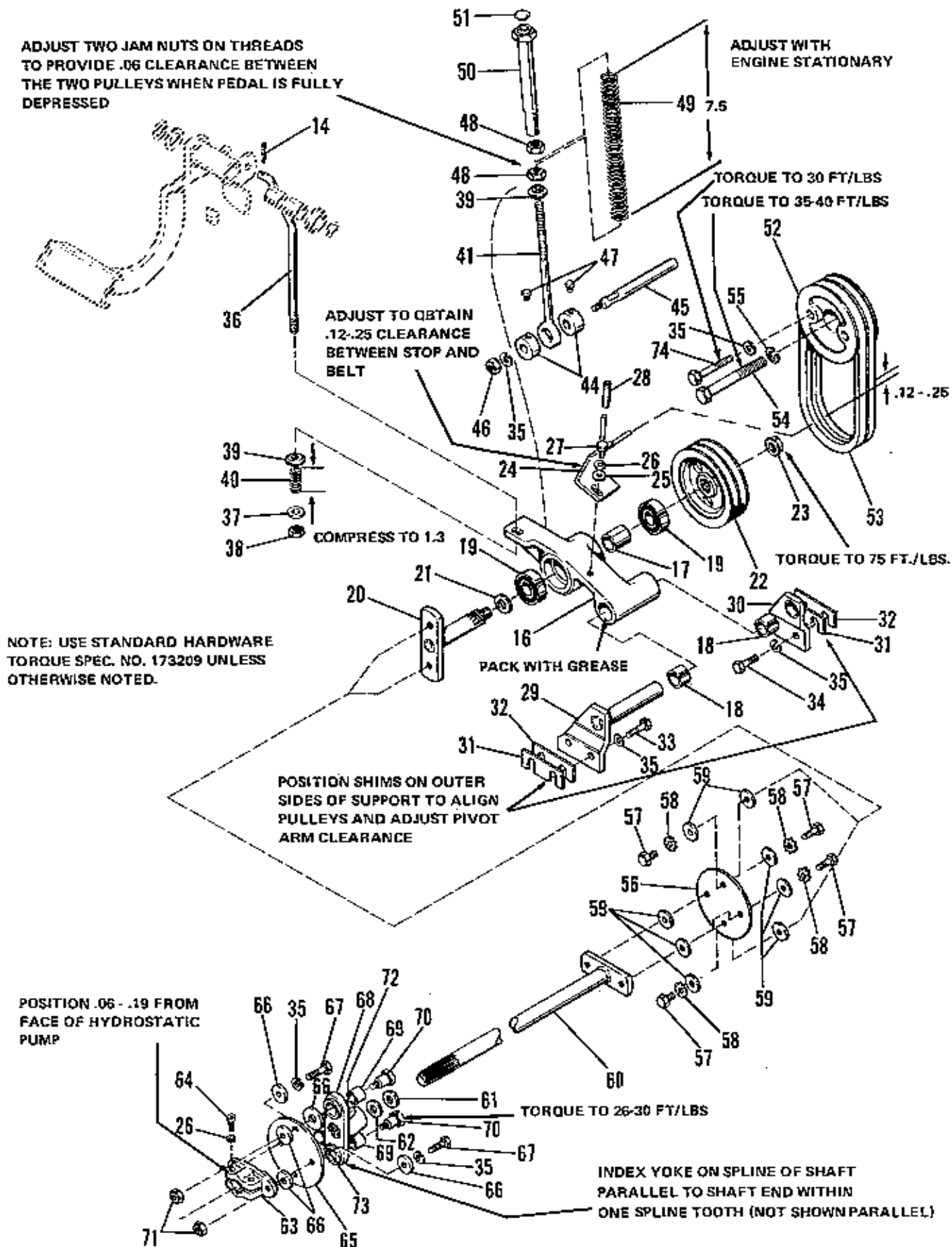
Main Drive & Brake Lever Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	168112	1	{00000}-{ }	LEVER ASSY, Brake, R.H.
2	1652832	1	{00000}-{ }	BRAKE ANCHOR ASSY
3	173272	1	{00000}-{ }	KEY
4	928709	2	{00000}-{ }	SCREW, Set, Sq. Hd.
5	173755	1	{00000}-{ }	SPRING, Torsion
6	921272	1	{00000}-{ }	PIN, Spring, 3/16 x 1-3/4
7	173442	1	{00000}-{ }	ROD, Pedal, Lock
8	1654538	1	{00000}-{ }	ROD, Brake, Front,
9	1654539	1	{00000}-{ }	ROD, Brake, Front, R.H.
10	164072	2	{00000}-{ }	TURNBUCKLE, Body
11	930625	2	{00000}-{ }	NUT, Hex, Jam, 3/8-24, L.H.
12	918403	2	{00000}-{ }	NUT, Hex, Jam, 3/8-24, R.H.
13	156302	2	{00000}-{ }	SPRING
14	918447	2	{00000}-{ }	PIN, Cotter, 3/32 x 3/4
15	173417	2	{00000}-{ }	STOP, Rubber
16	176222	1	{00000}-{ }	ARM, Pivot
17	176221	1	{00000}-{ }	SPACER
18	154289	2	{00000}-{ }	BUSHING
19	108202	2	{00000}-{ }	BEARING, Ball
20	176217	1	{00000}-{ }	SHAFT ASSY
21	176219	1	{00000}-{ }	WASHER
22	176216	1	{00000}-{ }	PULLEY, Input
23	930644	1	{00000}-{ }	LOCKNUT, Hex, Flange, 1/2-13
24	173760	1	{00000}-{ }	STOP ASSY, Belt
25	917642	1	{00000}-{ }	WASHER, Plain, 5/16
26	917356	3	{00000}-{ }	LOCKWASHER, 5/16
27	917397	1	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 3/4
28	173010	1	{00000}-{ }	HOSE
29	170932	1	{00000}-{ }	SUPPORT ASSY
30	172975	1	{00000}-{ }	SUPPORT ASSY
31	173042	3	{00000}-{ }	SHIM
32	173043	9	{00000}-{ }	SHIM
33	919360	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-1/2
34	917400	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-1/4
*35	916965	9	{00000}-{ }	LOCKWASHER, 3/8

*Qty 7 used on 1690230

ADJUST TWO JAM NUTS ON THREADS TO PROVIDE .06 CLEARANCE BETWEEN THE TWO PULLEYS WHEN PEDAL IS FULLY DEPRESSED

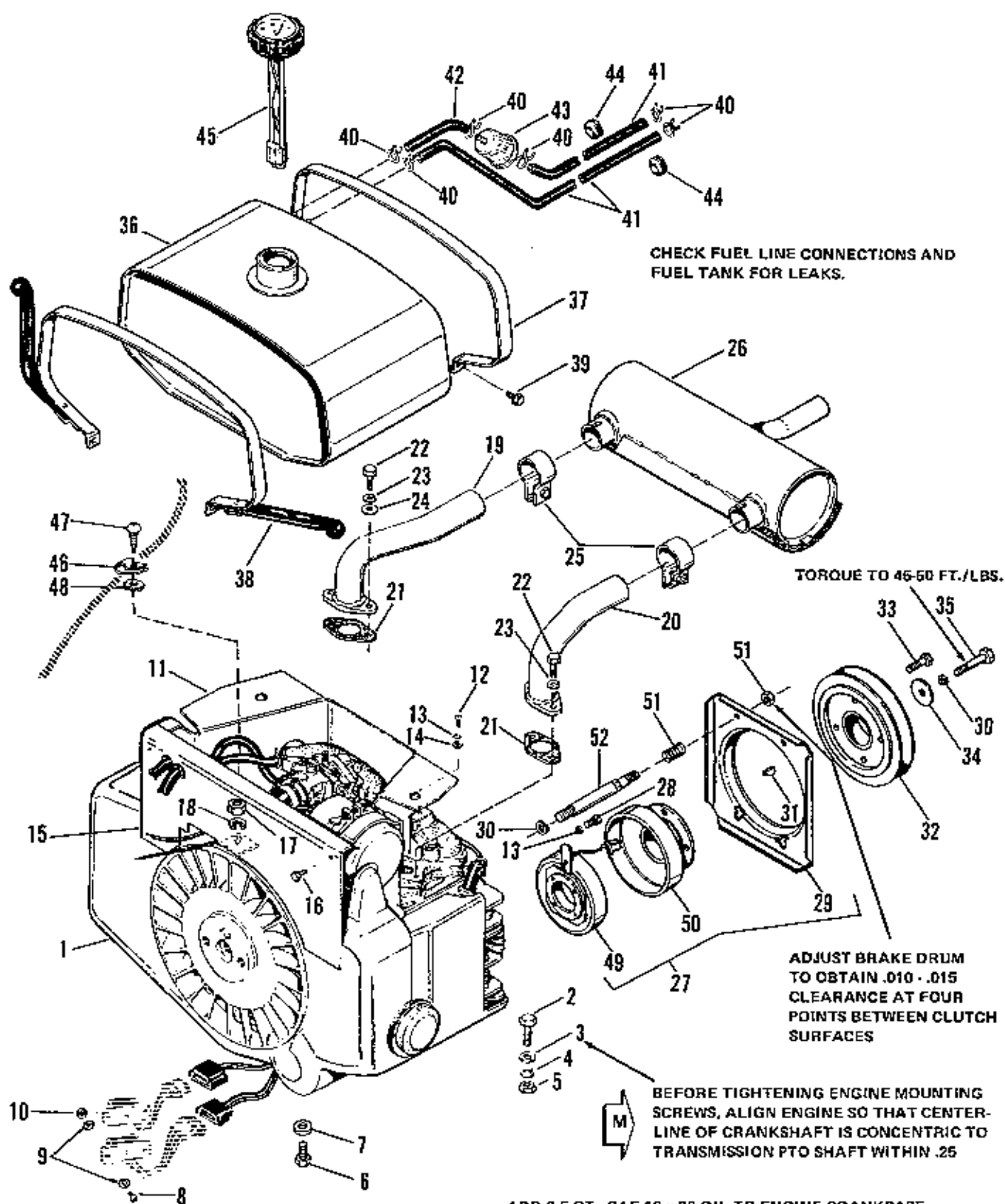


Main Drive & Brake Lever Group

Ref. No.	Part No.	Qty.	Serial No.	Description
36	1651150	1	{00000}-{ }	ROD, Clutch
37	917378	1	{00000}-{ }	WASHER, 3/8
38	923428	1	{00000}-{ }	NUT, Hex, Lock, 3/8-16
39	171007	2	{00000}-{ }	SPACER, Clutch
40	172868	1	{00000}-{ }	SPRING
41	170959	1	{00000}-{ }	BOLT, Eye
42	1652834	1	{00000}-{ }	BRAKE LEVER ASSY, L.H.
43	168119	2	{00000}-{ }	BUSHING
44	8301042	2	{00000}-{ }	COLLAR, Set
45	170958	1	{00000}-{ }	SHAFT, Pivot
46	916950	1	{00000}-{ }	NUT, Hex, 3/8-16
47	928691	2	{00000}-{ }	SCREW, Set, 5/16-18 x 5/6
48	917421	2	{00000}-{ }	NUT, Hex, Jam, 3/8-16
49	171011	1	{00000}-{ }	SPRING
50	176460	1	{00000}-{ }	TUBE ASSY
51	177777	1	{00000}-{ }	PLUG
52	172541	1	{00000}-{ }	PULLEY, Input
53	170921	1	{00000}-{ }	"V" BELT, Set of 2
**54	930581	1	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 4-1/2
**55	918199	1	{00000}-{ }	LOCKWASHER, 7/16
56	173026	1	{00000}-{ }	COUPLING
57	921965	4	{00000}	CAPSCREW, Hex, 3/8-16 x 3/4
58	920427	4	{00000}-{ }	LOCKWASHER, External Tooth, 3/8
59	157424	8	{00000}-{ }	WASHER
60	176209	1	{00000}-{ }	SHAFT ASSY
61	172266	2	{00000}-{ }	WASHER, Rubber
62	177141	1	{00000}-{ }	WASHER, Felt
63	176223	1	{00000}-{ }	CLAMP, Yoke
64	926269	2	{00000}-{ }	CAPSCREW, Hex, Skt.Hd., 5/16-18 x 1-1/4
65	175230	1	{00000}-{ }	COUPLING
66	153052	6	{00000}-{ }	WASHER
67	921210	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1
68	175229	1	{00000}-{ }	YOKE
69	177943	2	{00000}-{ }	BUSHING
70	108412	2	{00000}-{ }	BOLT, Shoulder
71	928352	2	{00000}-{ }	NUT, Hex, Whiz Lock, 3/8-16
72	912608	1	{00000}-{ }	FITTING, Lube, 1/4-28
73	177134	1	{00000}-{ }	PLUG
*74	921972	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 2-1/2

* USE ON MFG. NO. 1690230

** USE ON MFG. NO. 1690283



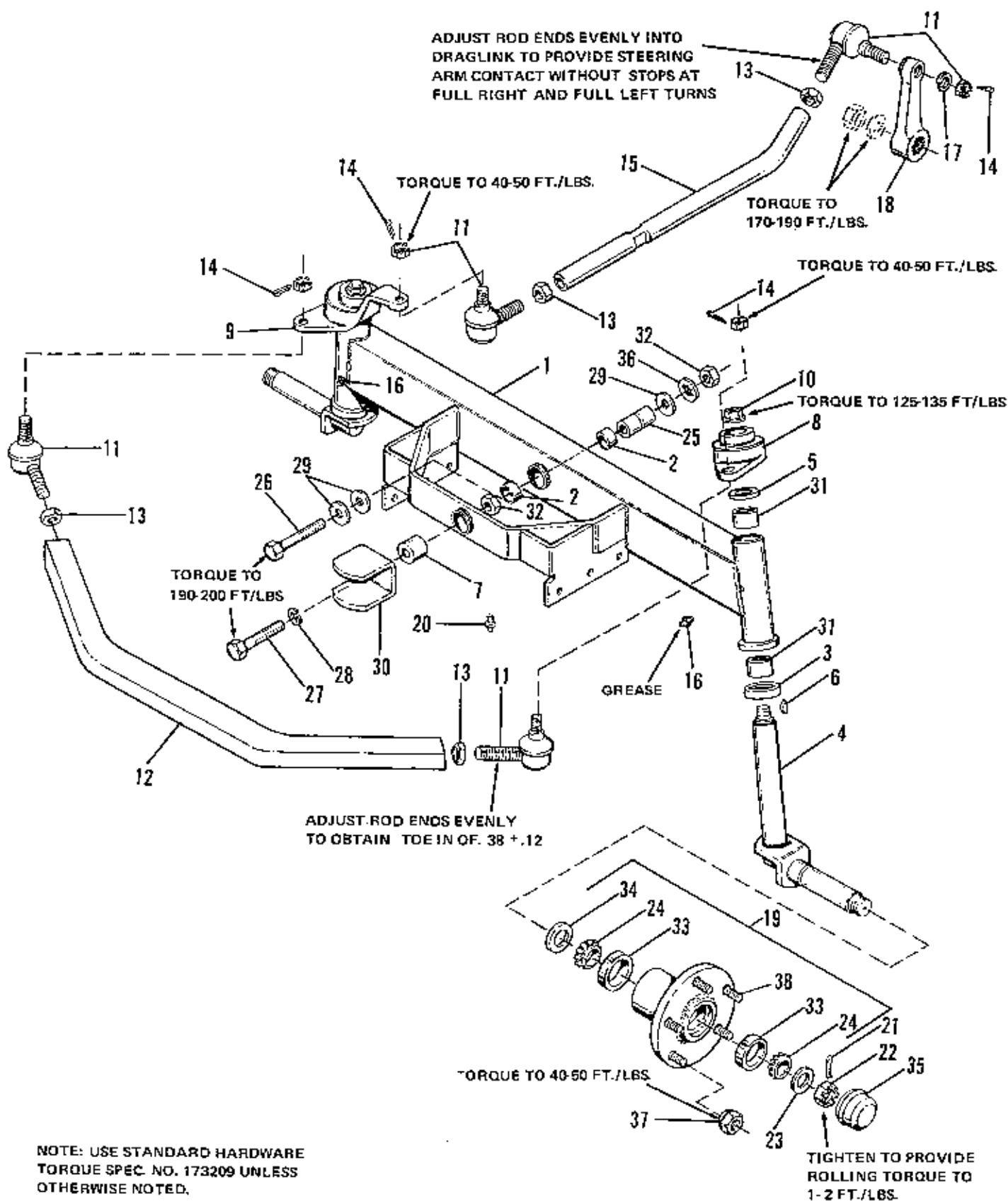
ADD 3.5 QT. SAE 10W-30 OIL TO ENGINE CRANKCASE

CHECK ENGINE SPEED. 3850 \pm 100 RPM HIGH IDLE NO LOAD
1200 \pm 100 RPM LO IDLE NO LOAD.

Engine, Front Clutch & Fuel Group

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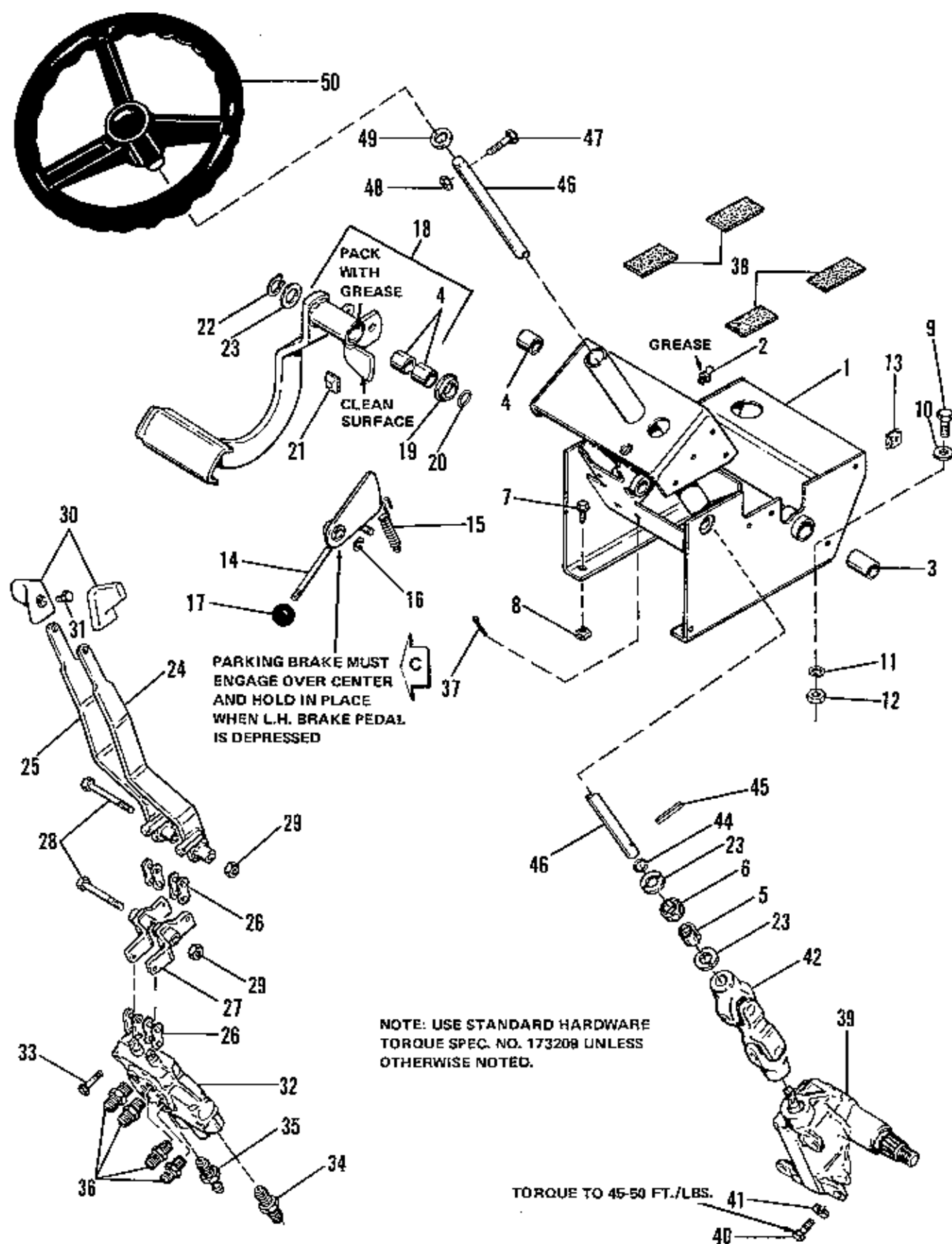
Ref. No.	Part No.	Qty.	Serial No.	Description
1		1	{00000}-(-)	ENGINE, 19-1/2 HP
2	916608	3	{00000}-(-)	CAPSCREW, Hex, 7/16-14 x 1-1/2
3	918430	3	{00000}-(-)	WASHER, Plain, 7/16
4	918199	3	{00000}-(-)	LOCKWASHER, 7/16
5	918213	3	{00000}-(-)	NUT, Hex, 7/16-14
6	928635	1	{00000}-(-)	SCREW, Tap-tite, 3/8-16 x 1
7	153052	1	{00000}-(-)	WASHER
8	930531	4	{00000}-(-)	SCREW, Truss, No. 10-32 x 1/2
9	922711	8	{00000}-(-)	LOCKWASHER, Ext. Tooth, No. 10
10	917415	4	{00000}-(-)	NUT, Hex, Mach. No. 10-32
11	176374	1	{00000}-(-)	SHIELD ASSY, Heat
12	922121	1	{00000}-(-)	SCREW, Round Hd., No. 10-32 x 3/8
13	909055	5	{00000}-(-)	LOCKWASHER, Inter. Tooth, No. 10
14	923906	1	{00000}-(-)	WASHER, Plain, No. 8
15	176602	1	{00000}-(-)	SHROUD, Front
16	925003	2	{00000}-(-)	SCREW, Tapping, 1/4-20 x 1/2
17	920435	1	{00000}-(-)	NUT, Hex, Jam, 1/4-20
18	909367	1	{00000}-(-)	LOCKWASHER, Inter. Tooth, 1/4
19	176378	1	{00000}-(-)	EXHAUST PIPE ASSY, L.H.
20	176379	1	{00000}-(-)	EXHAUST PIPE ASSY, R.H.
21	176382	2	{00000}-(-)	GASKET, Exhaust
22	921977	4	{00000}-(-)	CAPSCREW, Hex, 5/16-18 x 1-1/4
23	917366	4	{00000}-(-)	LOCKWASHER, 5/16
24	917642	1	{00000}-(-)	WASHER
25	172061	2	{00000}-(-)	CLAMP, Muffler
26	176336	1	{00000}-(-)	MUFFLER
27	1652334	1	{00000}-(-)	CLUTCH & BRAKE ASSY, w/Timing Marks
28	930613	4	{00000}-(-)	CAPSCREW, Hex, No. 10-32 x 1/2
29	1652353	1	{00000}-(-)	DRUM, Brake
30	916965	5	{00000}-(-)	LOCKWASHER, 3/8
31	172907	1	{00000}-(-)	KEY
32	172657	1	{00000}-(-)	PULLEY
33	930600	4	{00000}-(-)	SCREW, Hex, Tap-tite, 5/16-18 x 1-1/2
34	172908	1	{00000}-(-)	WASHER
35	922128	1	{00000}-(-)	CAPSCREW, Hex, 3/8-24 x 1-1/2
36	176537	1	{00000}-(-)	FUEL TANK ASSY
37	168271	1	{00000}-(-)	STRAP, Tank
38	171333	1	{00000}-(-)	STRAP ASSY, Tank
39	929783	4	{00000}-(-)	SCREW, Hex, Tap-tite, 1/4-20 x 1
40	154372	6	{00000}-(-)	CLAMP, Hose
41	1657575	2	{00000}-(-)	FUEL LINE
42	1657576	1	{00000}-(-)	HOSE
43	176556	1	{00000}-(-)	FILTER, Fuel
44	172176	2	{00000}-(-)	GROMMET, Rubber
45	170730	1	{00000}-(-)	GUAGE ASSY, Fuel
46	158475	1	{00000}-(-)	CLIP, Bowden Wire
47	930611	1	{00000}-(-)	SCREW, Phillips, Tap-tite, No. 10-24 x 3/8
48	922711	1	{00000}-(-)	LOCKWASHER, Ext. Tooth, No. 10
49	1652356	1	{00000}-(-)	FIELD ASSY
50	1652354	1	{00000}-(-)	ARMATURE ASSY
51	1652351	4	{00000}-(-)	SPRING, Compression w/Locknut
52	1652352	4	{00000}-(-)	STUD



Front Axle Group

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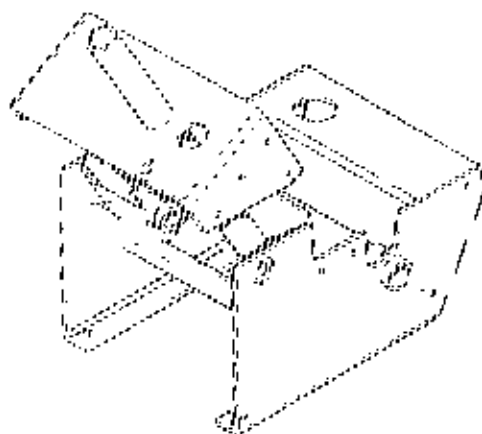
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1653781	1	{00000}-()	AXLE ASSY
2	119023	2	{00000}-()	BEARING
3	1650380	2	{00000}-()	BEARING, Thrust
4	1653783	2	{00000}-()	SPINDLE ASSY
5	105050	2	{00000}-()	WASHER, 1-1/8 I.D. - 1-3/4 O.D.
6	905126	2	{00000}-()	KEY, Woodruff, No. 15, 1/4 x 1
7	1652047	1	{00000}-()	BEARING, Reach
8	1652050	1	{00000}-()	ARM, Steering, L.H.
9	1653788	1	{00000}-()	ARM, Steering, R.H.
10	1651985	2	{00000}-()	NUT, Lock, Flange, 3/4-16
11	172499	4	{00000}-()	JOINT, Ball, R.H.
12	173413	1	{00000}-()	ROD, Tie
13	931908	4	{00000}-()	NUT, Hex, Jam, 11/16-18
14	918452	4	{00000}-()	PIN, Cotter, 1/8-3/4
15	171509	1	{00000}-()	LINK, Drag
16	914687	2	{00000}-()	FITTING, Lube, 1/4-28
17	916966	1	{00000}-()	LOCKWASHER, 1/2
18	172196	1	{00000}-()	ARM, Pitman
19	177740	2	{00000}-()	HUB ASSY
20	172761	1	{00000}-()	FITTING, Grease
21	923500	2	{00000}-()	PIN, Cotter, 1/8 x 1
22	930636	2	{00000}-()	NUT, Hex, Jam, 3/4-16
23	101022	2	{00000}-()	WASHER
24	170835	4	{00000}-()	BEARING, Cone
25	168092	1	{00000}-()	SPACER, Axle
26	922381	1	{00000}-()	CAPSCREW, Hex, 5/8-11 x 3-1/2
27	926164	1	{00000}-()	CAPSCREW, Hex, 5/8-11 x 2-3/4
28	917373	1	{00000}-()	LOCKWASHER, 5/8-11
29	168093	3	{00000}-()	WASHER, Thrust
30	171511	1	{00000}-()	CLEVIS
31	153068	4	{00000}-()	BEARING
32	1654237	2	{00000}-()	NUT, Hex, Heavy
33	170836	4	{00000}-()	CUP, Bearing
34	168108	2	{00000}-()	SEAL, Axle
35	177724	2	{00000}-()	CAP, Hub
36	918906	1	{00000}-()	LOCKWASHER, In-Tooth, 5/8
37	177725	10	{00000}-()	NUT, Hub
38	1683805	10	{00000}-()	WHEEL, Bolt



Steering & Control Group

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656641	1	{00000}-(-)	SUPPORT ASSY
2	912808	1	{00000}-(-)	FITTING, Lube, 1/4-28
3	168119	1	{00000}-(-)	BUSHING, Sleeve
4	168140	3	{00000}-(-)	BEARING, Sleeve
5	171597	1	{00000}-(-)	BEARING, Needle
6	173179	1	{00000}-(-)	BEARING, Roller
7	930617	3	{00000}-(-)	SCREW, Self Tapping, 5/16 x 7/8
8	930663	3	{00000}-(-)	NUT, Speen, Tinner.
9	917397	1	{00000}-(-)	CAPSCREW, Hex, 5/16-18 x 3/4
10	917378	1	{00000}-(-)	WASHER, Plain, 3/8
11	917356	1	{00000}-(-)	LOCKWASHER, 36
12	917372	1	{00000}-(-)	NUT, Hex, 5/16-18
13	930664	4	{00000}-(-)	NUT, Retainer, 1/4-20
14	175218	1	{00000}-(-)	CAM ASSY
15	173761	1	{00000}-(-)	SPRING
16	158399	1	{00000}-(-)	RING, Retaining
17	122005	1	{00000}-(-)	KNOB
18	168122	1	{00000}-(-)	LEVER ASSY
19	154462	1	{00000}-(-)	WASHER
20	118134	1	{00000}-(-)	RING, Retaining
21	171005	1	{00000}-(-)	BUMPER
22	168152	1	{00000}-(-)	RING, Retaining
23	101022	3	{00000}-(-)	WASHER
24	171105	1	{00000}-(-)	LEVER ASSY
25	175163	1	{00000}-(-)	LEVER ASSY
26	171101	4	{00000}-(-)	LINK, Connect.
27	171104	2	{00000}-(-)	BELLCRANK ASSY
28	919959	2	{00000}-(-)	CAPSCREW, Hex, 3/8-16 x 2-3/4
29	928731	2	{00000}-(-)	NUT, Hex, Lock, 3/8-16 x 2-3/4
30	171165	2	{00000}-(-)	KNOB
31	925592	3	{00000}-(-)	SCREW, Tapitite, 1/4-20 x 3/4
32	171494	1	{00000}-(-)	VALVE, Hydro.
33	930602	2	{00000}-(-)	SCREW, Tapitite
34	171460	1	{00000}-(-)	CONNECTOR, Male
35	171465	1	{00000}-(-)	CONNECTOR, Hose
36	173115	4	{00000}-(-)	CONNECTOR, Male
37	918455	1	{00000}-(-)	PIN, Cotter, 5/32 x 1
38	106582	4	{00000}-(-)	GASKET, Felt
39	171557	1	{00000}-(-)	GEAR ASSY, Steering
40	920676	3	{00000}-(-)	CAPSCREW, Hex, 7/16-14 x 1
41	918199	3	{00000}-(-)	LOCKWASHER, 7/16
42	173500	1	{00000}-(-)	JOINT, U

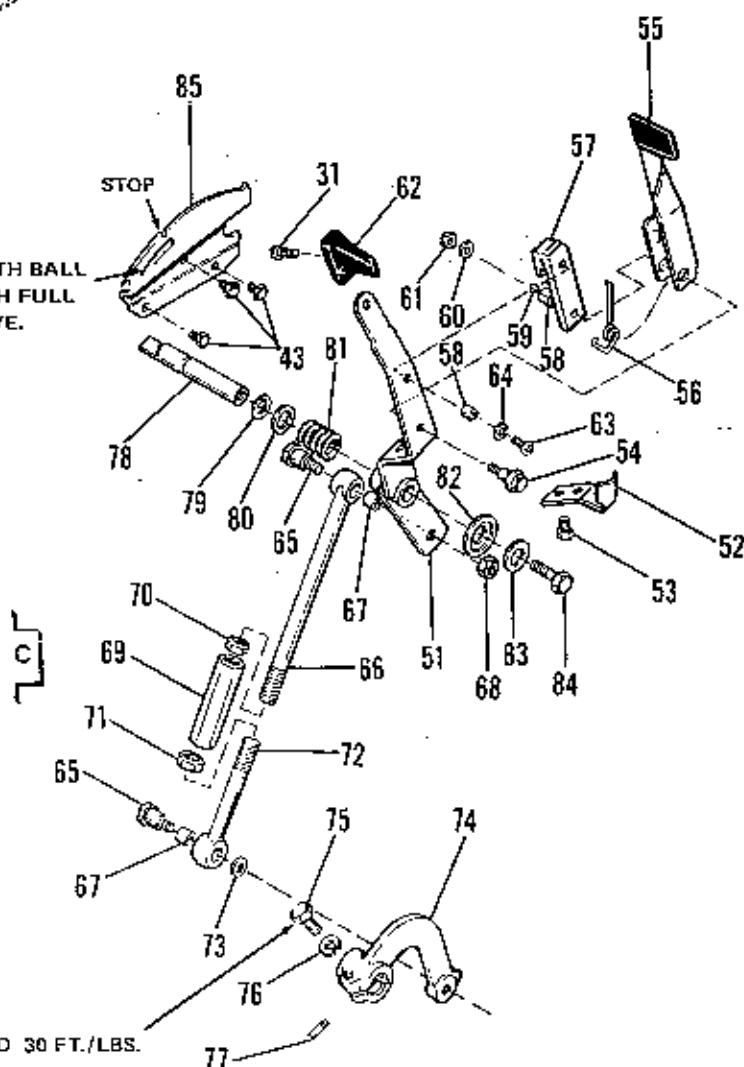


ALIGN GROOVE WITH BALL
IN LEVER THROUGH FULL
LENGTH OF GROOVE.

NEUTRAL ADJUSTMENT

ADJUST TURNBUCKLE UNTIL
HYDROSTATIC UNIT DOES NOT
CREEP WHEN CONTROL LEVER
IS AGAINST NEUTRAL STOP
OF QUADRANT. ADJUST NEUTRAL
SWITCH BRACKET AND SWITCH
ACTUATOR SO STARTER WILL
NOT ENGAGE WHEN CONTROL
LEVER IS MOVED MORE THAN
.06 AT QUADRANT EITHER
FORWARD OR REARWARD
FROM THE STOP POSITION.

TORQUE TO 30 FT./LBS.

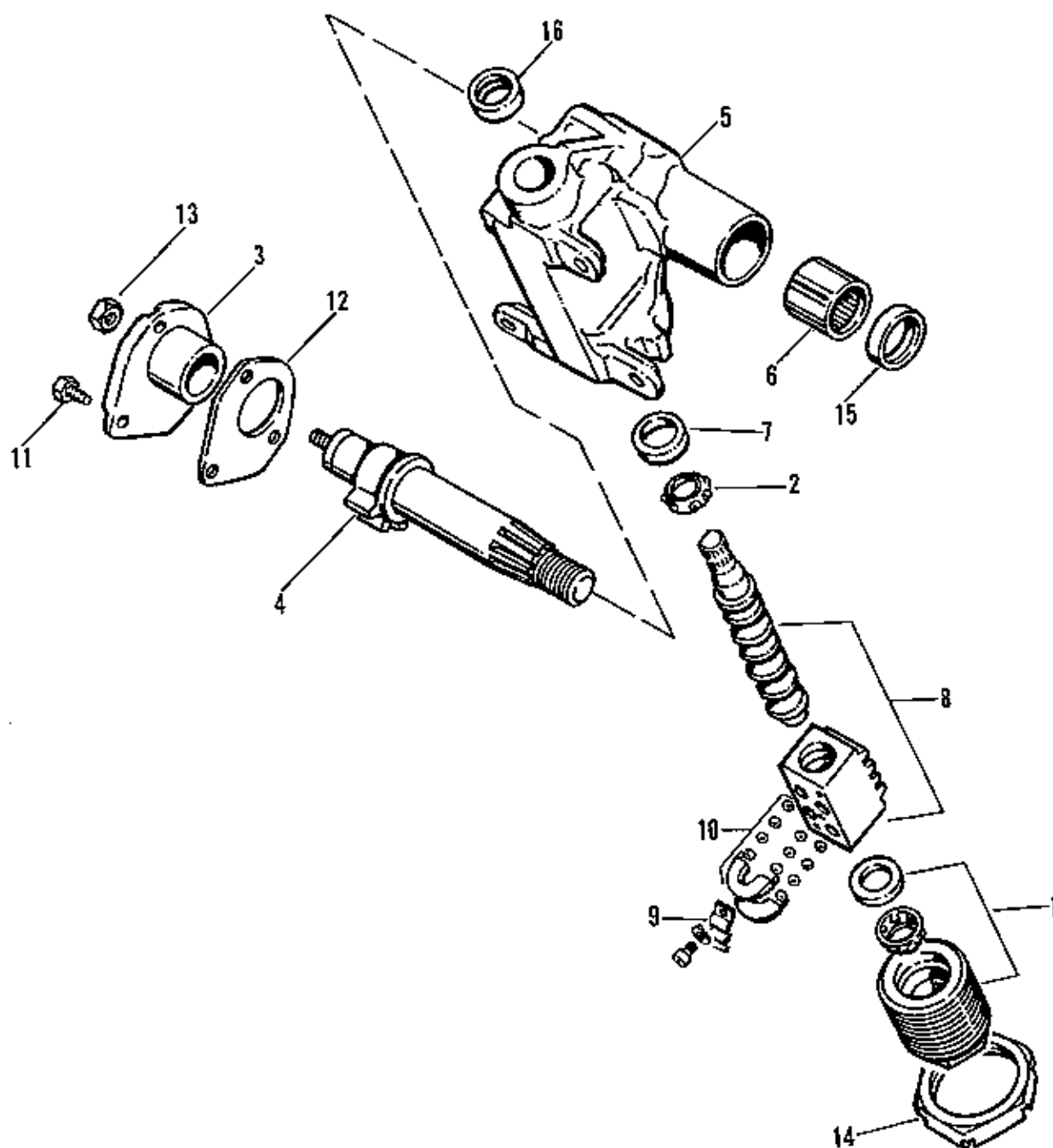


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Steering & Control Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
43	925003	3	{00000}-{ }	SCREW, Tapite, 1/4-20 x 1/2
44	927794	1	{00000}-{ }	RING, Retaining
45	918390	1	{00000}-{ }	PIN, Spring, 3/8 x 1-1/4
46	171532	1	{00000}-{ }	SHAFT
47	921977	1	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 1-1/4
48	929001	1	{00000}-{ }	LOCKNUT, Hex, Flange, 5/16-18
49	172266	1	{00000}-{ }	WASHER, Rubber
50	1606342	1	{00000}-{ }	WHEEL, Steering
51	1655587	1	{00000}-{ }	LEVER ASSY, Speed Control
52	1655583	1	{00000}-{ }	SWITCH, Actuator
53	929000	2	{00000}-{ }	SCREW, Tapite, 1/4-20 x 3/8
54	166051	1	{00000}-{ }	BOLT, Shoulder
55	172399	1	{00000}-{ }	HANDLE
56	166047	1	{00000}-{ }	SPRING
57	171432	1	{00000}-{ }	CLAMP, Stop
58	166053	2	{00000}-{ }	SPACER
59	166178	1	{00000}-{ }	BALL
60	917377	1	{00000}-{ }	WASHER, Plain, 1/4
61	923358	1	{00000}-{ }	NUT, Hex, 1/4-20
62	171165	1	{00000}-{ }	KNOB
63	926025	1	{00000}-{ }	SCREW, Rd., Hd., 1/4-20 x 1/2
64	916964	1	{00000}-{ }	LOCKWASHER, 1/4
65	108412	2	{00000}-{ }	BOLT, Shoulder
66	172407	1	{00000}-{ }	BOLT, Eye
67	177943	2	{00000}-{ }	BUSHING
68	923428	1	{00000}-{ }	NUT, Hex, 3/8-16
69	172402	1	{00000}-{ }	TURNBUCKLE
70	930824	1	{00000}-{ }	NUT, Hex, Jam, 1/2-20, L.H.
71	919262	1	{00000}-{ }	NUT, Hex, Jam, 1/2-20, R.H.
72	172406	1	{00000}-{ }	BOLT, Eye
73	916803	1	{00000}-{ }	LOCKWASHER, Internal Tooth, 3/8
74	176629	1	{00000}-{ }	LEVER
75	921969	1	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-1/2
76	916965	1	{00000}-{ }	LOCKWASHER, 3/8
77	173302	1	{00000}-{ }	PIN
78	172167	1	{00000}-{ }	PIVOT
79	173515	1	{00000}-{ }	RING, Retaining
80	173514	1	{00000}-{ }	WASHER
81	173307	1	{00000}-{ }	SPRING
82	173293	1	{00000}-{ }	WASHER
83	167424	1	{00000}-{ }	WASHER, 3/8
84	930679	1	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-1/4
85	172400	1	{00000}-{ }	QUADRANT

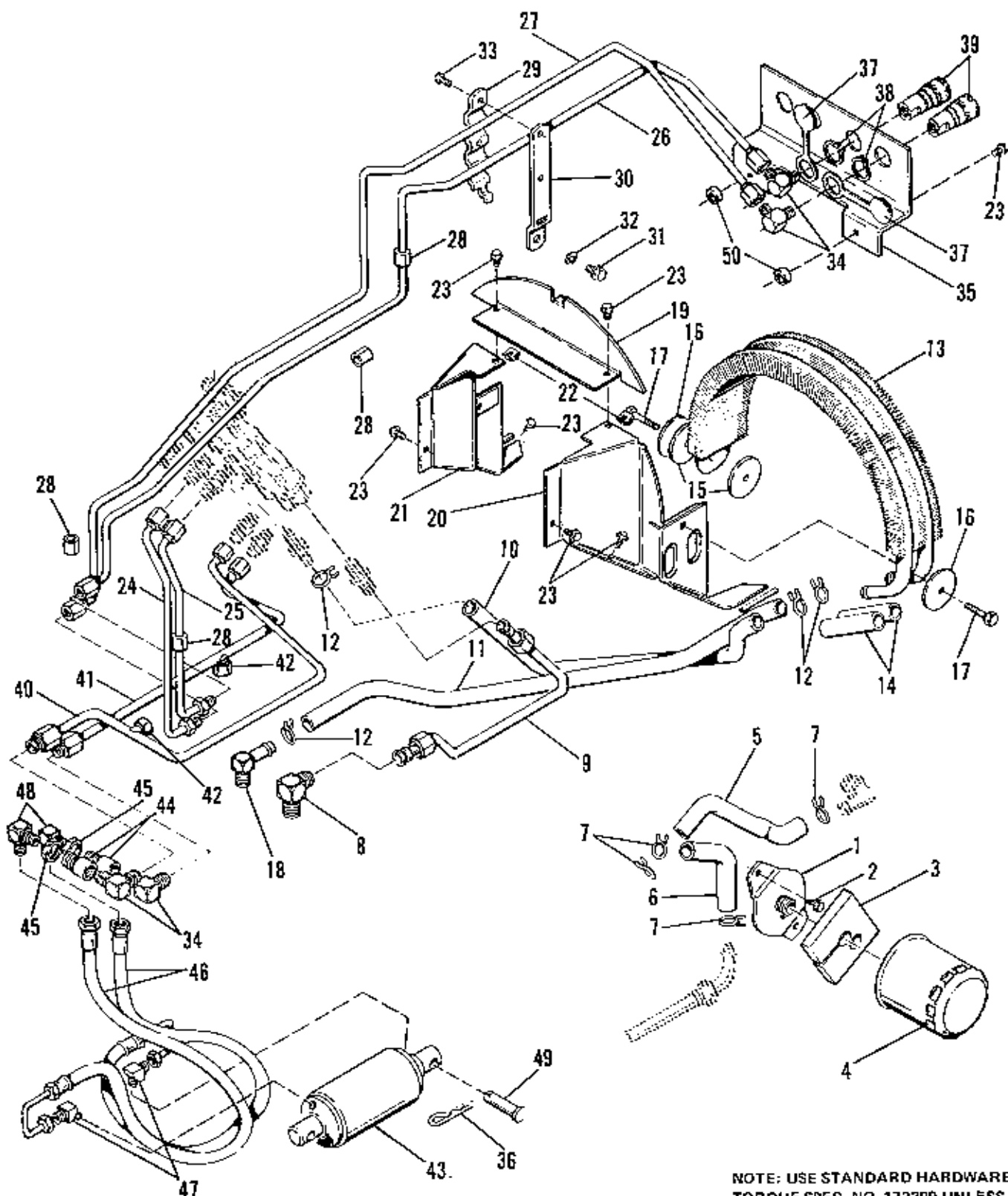


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Steering Box Break Down

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174151	1	(00000)-()	BEARING ASSY, Adj. Worm
2	174152	1	(00000)-()	BEARING ASSY, Worm
3	174153	1	(00000)-()	COVER ASSY
4	174154	1	(00000)-()	GEAR ASSY, Pitman
5	174155	1	(00000)-()	HOUSING ASSY
6	174156	1	(00000)-()	BEARING, Needle
7	174157	1	(00000)-()	CUP, Bearing Thrust
8	174158	1	(00000)-()	WORM ASSY
9	174159	1	(00000)-()	CLAMP, Ball Return
10	174160	4	(00000)-()	GUIDE, Ball Return
11	174161	3	(00000)-()	BOLT, Hex
12	174162	1	(00000)-()	GASKET
13	174163	1	(00000)-()	NUT, Hex
14	174164	1	(00000)-()	LOCKNUT
15	174165	1	(00000)-()	SEAL, Grease
16	174166	1	(00000)-()	SEAL

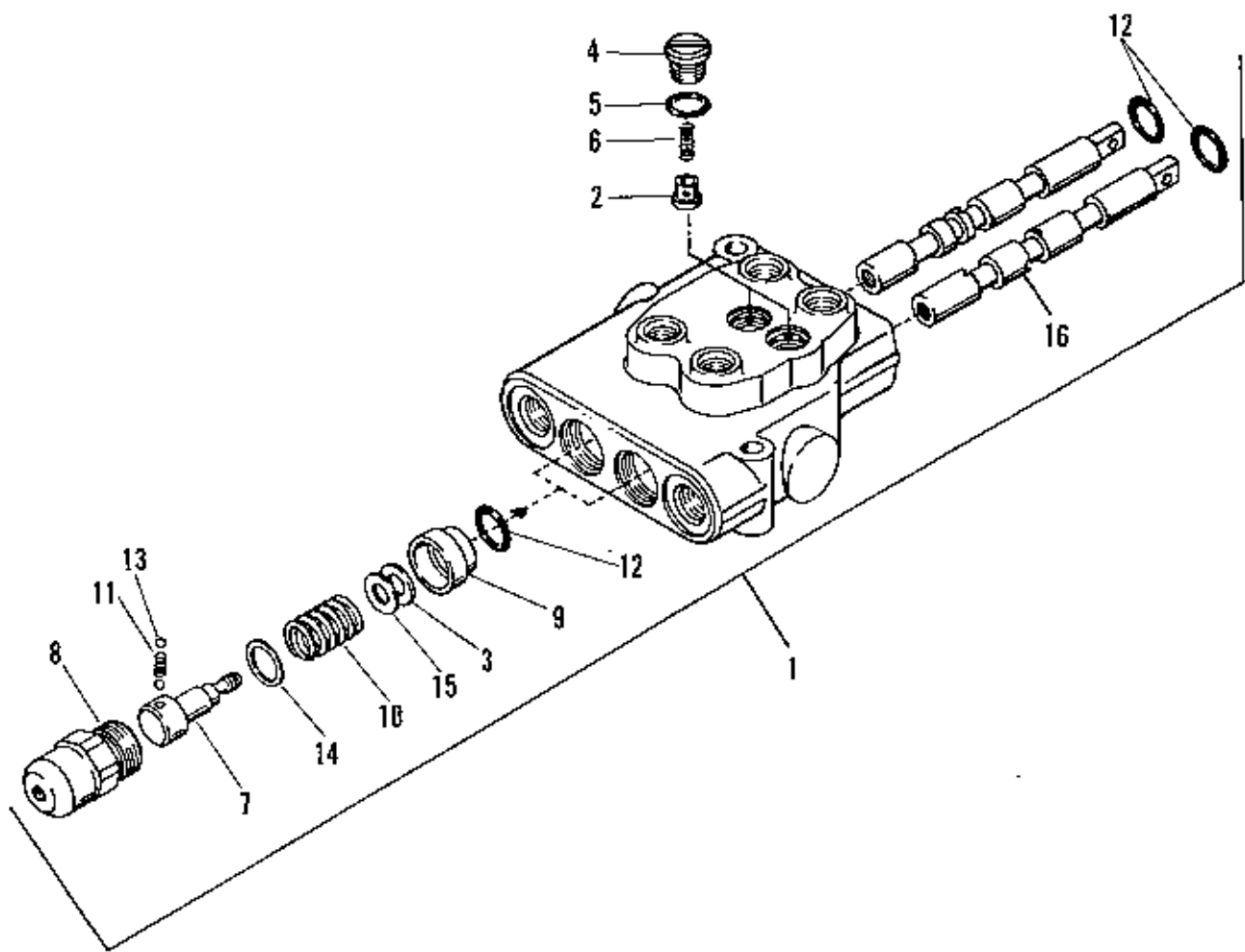


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Hydraulic & Oil Filter Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171842	1	{00000}-{ }	PLATE ASSY
2	924856	2	{00000}-{ }	SCREW, Tapping, 5/16-18 x 1/2
3	173120	1	{00000}-{ }	PAD
4	1650954	1	{00000}-{ }	FILTER
5	175119	1	{00000}-{ }	HOSE, Hydro
6	171454	1	{00000}-{ }	HOSE, Hydro
7	930709	4	{00000}-{ }	CLAMP, Hose
8	171461	1	{00000}-{ }	ELBOW, 90°
9	172838	1	{00000}-{ }	TUBE ASSY
10	172322	1	{00000}-{ }	HOSE, Hydro
11	172323	1	{00000}-{ }	HOSE, Hydro
12	166044	4	{00000}-{ }	CLAMP, Hose
13	172116	1	{00000}-{ }	COOLER, Oil
14	173227	2	{00000}-{ }	HOSE
15	172757	2	{00000}-{ }	WASHER, Rubber
16	166150	2	{00000}-{ }	WASHER
17	930810	2	{00000}-{ }	SCREW, Tapsize, 1/4-20 x 1-1/2
18	173051	1	{00000}-{ }	ELBOW, 90°
19	174474	1	{00000}-{ }	SHROUD ASSY, Upper Rear
20	174476	1	{00000}-{ }	SHROUD ASSY, R.H.
21	174524	1	{00000}-{ }	SHROUD ASSY, L.H.
22	930662	2	{00000}-{ }	NUT, Speed, 1/4-20
23	925003	8	{00000}-{ }	SCREW, Tapping, 1/4-20 x 1/2
24	172838	1	{00000}-{ }	TUBE ASSY
25	172837	1	{00000}-{ }	TUBE ASSY
26	172833	1	{00000}-{ }	TUBE ASSY
27	172834	1	{00000}-{ }	TUBE ASSY
28	176574	4	{00000}-{ }	SPACER
29	172766	1	{00000}-{ }	CLAMP
30	172767	1	{00000}-{ }	BRACKET
31	918228	1	{00000}-{ }	CAPSCREW, Hex, 3/8-18 x 5/8
32	916965	1	{00000}-{ }	LOCKWASHER, 3/8
33	927429	3	{00000}-{ }	SCREW, Tapsize, 1/4-20 x 5/8
34	173116	4	{00000}-{ }	ELBOW
35	172755	1	{00000}-{ }	PLATE, Mounting
36	106788	2	{00000}-{ }	CLIP, Spring
37	173360	2	{00000}-{ }	PLUG, Plastic
38	166017	2	{00000}-{ }	RING, Retaining
39	173358	2	{00000}-{ }	BODY ASSY
40	172830	1	{00000}-{ }	TUBE ASSY
41	173835	1	{00000}-{ }	TUBE ASSY
42	173117	2	{00000}-{ }	CAP
43	168279	1	{00000}-{ }	CYLINDER
44	173073	2	{00000}-{ }	FITTING
45	173074	2	{00000}-{ }	LOCKNUT, Hex, 7/8-14
46	172305	2	{00000}-{ }	HOSE
47	172320	2	{00000}-{ }	FITTING
48	172319	2	{00000}-{ }	ELBOW
49	171690	2	{00000}-{ }	PIN
50	156150	2	{00000}-{ }	SPACER

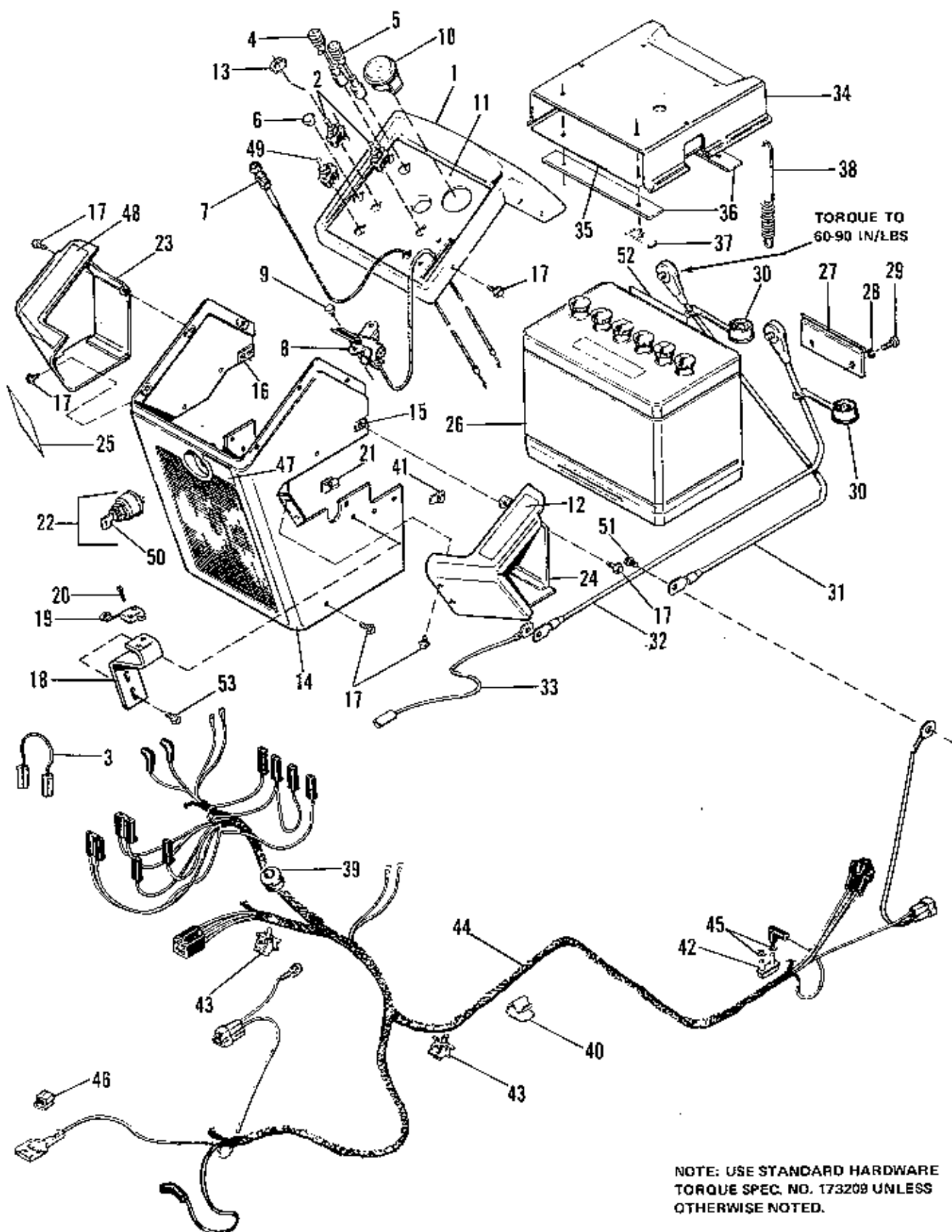


Dual Hydraulic Valve

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171494	2	{00000}-{ }	VALVE, Hydraulic
2	174130	2	{00000}-{ }	PLUNGER
3	1652045	2	{00000}-{ }	WASHER, .046 Thick
4	174132	1	{00000}-{ }	PLUG
5	174133	1	{00000}-{ }	O-RING
6	174134	2	{00000}-{ }	SPRING
7	174135	2	{00000}-{ }	SCREW, Detent
8	174136	2	{00000}-{ }	CAP ASSY
9	174137	2	{00000}-{ }	BUSHING
10	174138	2	{00000}-{ }	SPRING
11	174139	2	{00000}-{ }	SPRING
12	174140	4	{00000}-{ }	O-RING
13	174141	4	{00000}-{ }	BALL
14	174142	2	{00000}-{ }	WASHER, .046 Thick
15	1652044	2	{00000}-{ }	WASHER, .020 Thick
	1652046	1	{00000}-{ }	SEAL KIT, Repair
*16		2	{00000}-{ }	SPOOL

* TO REPLACE SPOOL ORDER NO. 171494 (Ref. No. 1)



Dash & Electrical Group

10-77

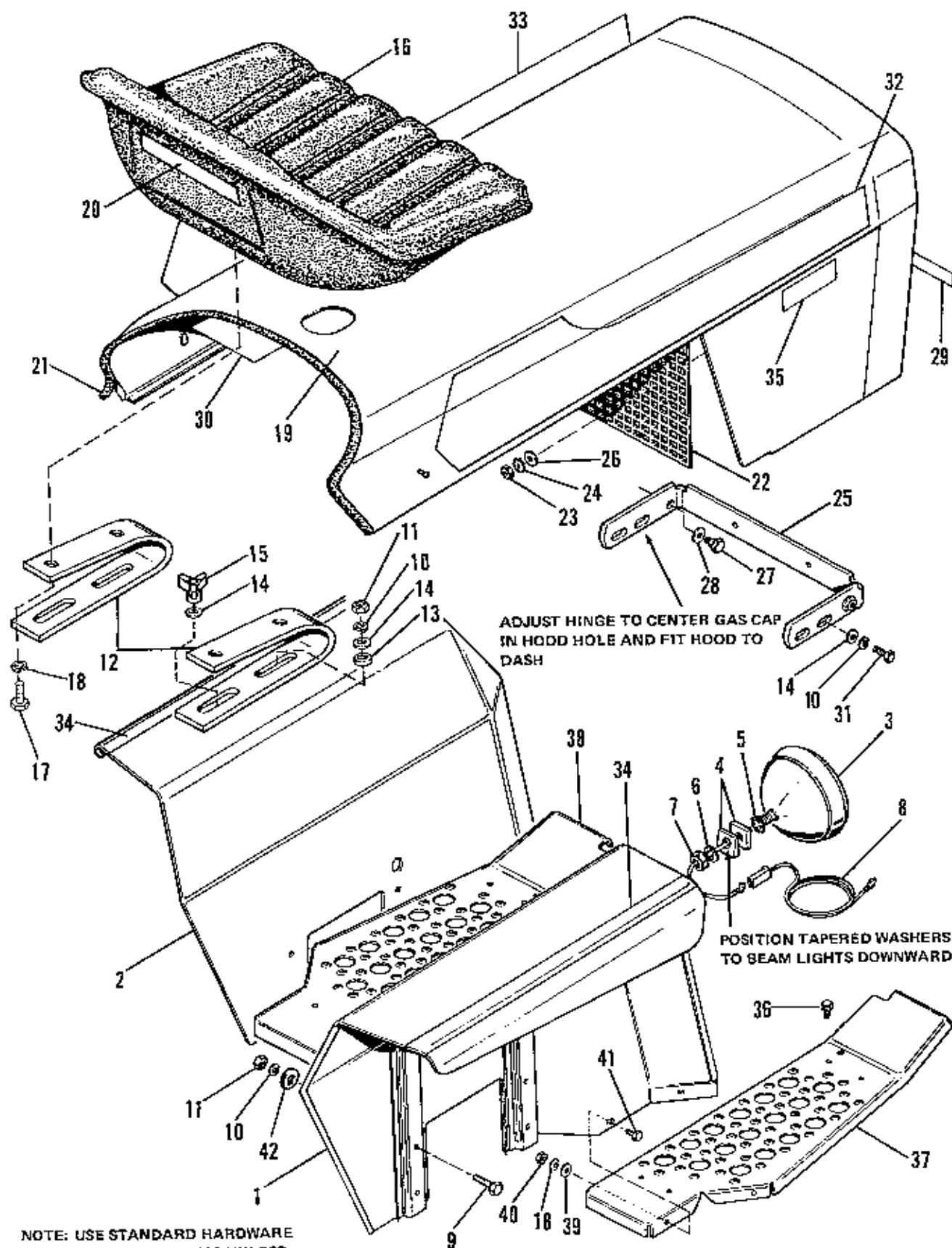
Ref. No.	Part No.	Qty.	Serial No.	Description
1	176361	1	{00000}-{ }	PANEL ASSY
**2	173018	2	{00000}-{ }	SWITCH, Toggle, Clutches
*3	173132	1	{00000}-{ }	WIRE, Jumper
4	172916	1	{00000}-{ }	LIGHT, Hot
5	173237	1	{00000}-{ }	LIGHT, Oil
***6	173429	2	{00000}-{ }	BUTTON, Plug
7	176646	1	{00000}-{ }	CONTROL, Choke
8	176647	1	{00000}-{ }	CONTROL, Throttle
9	927429	2	{00000}-{ }	SCREW, Taptite, 1/4-20 x 5/8
10	1603189	1	{00000}-{ }	AMMETER
11	176362	1	{00000}-{ }	DECAL, Dash
12	166166	1	{00000}-{ }	DECAL, Speed Range
13	909589	2	{00000}-{ }	LOCKWASHER, In-Tooth, 1/2
14	1658645	1	{00000}-{ }	SUPPORT, Body Assy
15	926018	1	{00000}-{ }	NUT, Speed, 1/4-20
16	930662	1	{00000}-{ }	NUT, Speed, 1/4-20
17	929000	18	{00000}-{ }	SCREW, Taptite, 1/4-20 x 3/8
18	1655846	1	{00000}-{ }	BRACKET, Switch
19	1655589	1	{00000}-{ }	SWITCH, Interlock
20	931872	2	{00000}-{ }	SCREW, Taptite, No. 4-40 x 5/8
21	165073	1	{00000}-{ }	CLIP, Speed
22	171491	1	{00000}-{ }	SWITCH, Ignition
23	172188	1	{00000}-{ }	PANEL ASSY, L.H.
24	172189	1	{00000}-{ }	PANEL ASSY, R.H.
25	1655727	1	{00000}-{ }	DECAL, Parking Brake
26	1685087	1	{00000}-{ }	BATTERY KIT
27	168236	1	{00000}-{ }	CLAMP, Battery
28	917356	2	{00000}-{ }	LOCKWASHER, 5/16
29	917397	2	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 3/4
30	173419	2	{00000}-{ }	CAP, Protective
31	173123	1	{00000}-{ }	CABLE, Battery, Positive
32	173124	1	{00000}-{ }	CABLE, Battery, Negative
33	173574	1	{00000}-{ }	WIRE
34	1663251	1	{00000}-{ }	COVER
35	176526	1	{00000}-{ }	LINER
36	176525	2	{00000}-{ }	STRAP
37	176524	4	{00000}-{ }	CLIP, Speed
38	159181	2	{00000}-{ }	SPRING
39	173420	1	{00000}-{ }	GROMMET
40	173769	1	{00000}-{ }	CLIP
41	173783	2	{00000}-{ }	CLIP, Speed
42	172183	1	{00000}-{ }	BREAKER, Circuit
43	176655	2	{00000}-{ }	CLIP
44	1656652	1	{00000}-{ }	HARNES, Wiring
45	1607608	2	{00000}-{ }	WASHER, Paper
46	122183	1	{00000}-{ }	CLIP, Fuse
47	1657090	1	{00000}-{ }	DECAL, Ignition
48	172745	1	{00000}-{ }	DECAL, Lift
49	122184	1	{00000}-{ }	SWITCH, Toggle, Headlight
50	122203	1	{00000}-{ }	KEY RING, (set of 2)
51	928729	1	{00000}-{ }	SCREW, 5/16-18 x 3/8
52	1657555	1	{00000}-{ }	DECAL, Battery
53	925003	2	{00000}-{ }	SCREW, Taptite, 1/4-20 x 1/2

* USED ON MFG. NO. 1690283

** QTY. 1 USED ON MFG. NO. 1690230

*** QTY. 1 USED ON MFG. NO. 1690283

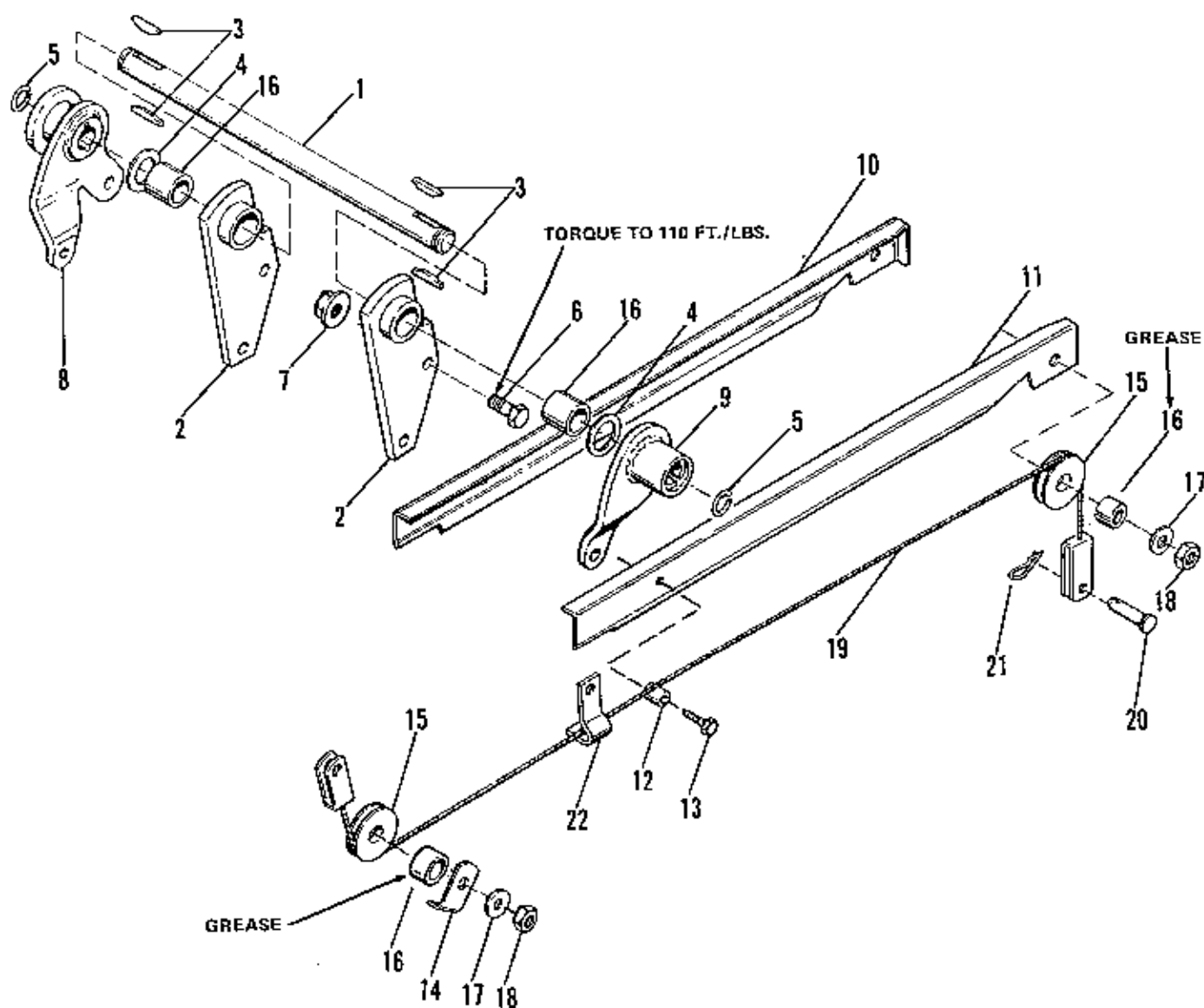
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Hood, Wheel Guard & Seat Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174932	1	{00000}-{ }	GUARD ASSY, Wheel, R.H.
2	174933	1	{00000}-{ }	GUARD ASSY, Wheel, L.H.
3	170462	2	{00000}-{ }	LAMP ASSY
4	170461	4	{00000}-{ }	WASHER, Special
5	920428	2	{00000}-{ }	LOCKWASHER, External Tooth, 1/2
6	916966	2	{00000}-{ }	LOCKWASHER, 1/2
7	913744	2	{00000}-{ }	NUT, Hex, Jam, 1/2-13
8	172911	2	{00000}-{ }	WIRE
9	921971	8	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-3/4
10	916965	14	{00000}-{ }	LOCKWASHER, 3/8
11	916950	10	{00000}-{ }	NUT, Hex, 3/8-16
12	1656902	2	{00000}-{ }	SPRING, Seat
13	154177	2	{00000}-{ }	SPACER
14	917378	8	{00000}-{ }	WASHER, Plain, 3/8
15	1657092	2	{00000}-{ }	KNOB, Thrse Arm
16	1656957	1	{00000}-{ }	SEAT
17	917397	4	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 3/4
18	917356	8	{00000}-{ }	LOCKWASHER, 5/16
19	1651838	1	{00000}-{ }	HOOD ASSY
20	106718	1	{00000}-{ }	DECAL, Simplicity
21	172155	1	{00000}-{ }	MOULDING
22	176758	1	{00000}-{ }	GRILLE
23	916621	4	{00000}-{ }	NUT, Hex, No. 10-24
24	922711	4	{00000}-{ }	LOCKWASHER, Ext. Tooth, No. 10
25	175243	1	{00000}-{ }	HINGE ASSY
26	172894	4	{00000}-{ }	WASHER
27	108412	2	{00000}-{ }	BOLT, Shoulder
28	175234	2	{00000}-{ }	WASHER
29	173811	1	{00000}-{ }	DECAL, Power Lift
30	176676	1	{00000}-{ }	DECAL, Service
31	908127	4	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 3/4
32	1657096	1	{00000}-{ }	DECAL, Hood, R.H.
33	1657097	1	{00000}-{ }	DECAL, Hood, L.H.
34	1657098	2	{00000}-{ }	DECAL, Fender
35	1657099	2	{00000}-{ }	DECAL, 9020
36	925009	8	{00000}-{ }	SCREW, Tapping, 5/16-18 x 7/8
37	170457	1	{00000}-{ }	PLATFORM, R.H.
38	170458	1	{00000}-{ }	PLATFORM, L.H.
39	917377	4	{00000}-{ }	WASHER, Plain, 1/4
40	917372	4	{00000}-{ }	NUT, Hex, 5/16-18
41	919318	4	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 5/8
42	924356	8	{00000}-{ }	WASHER, Plain, 13/32 x 1-1/2

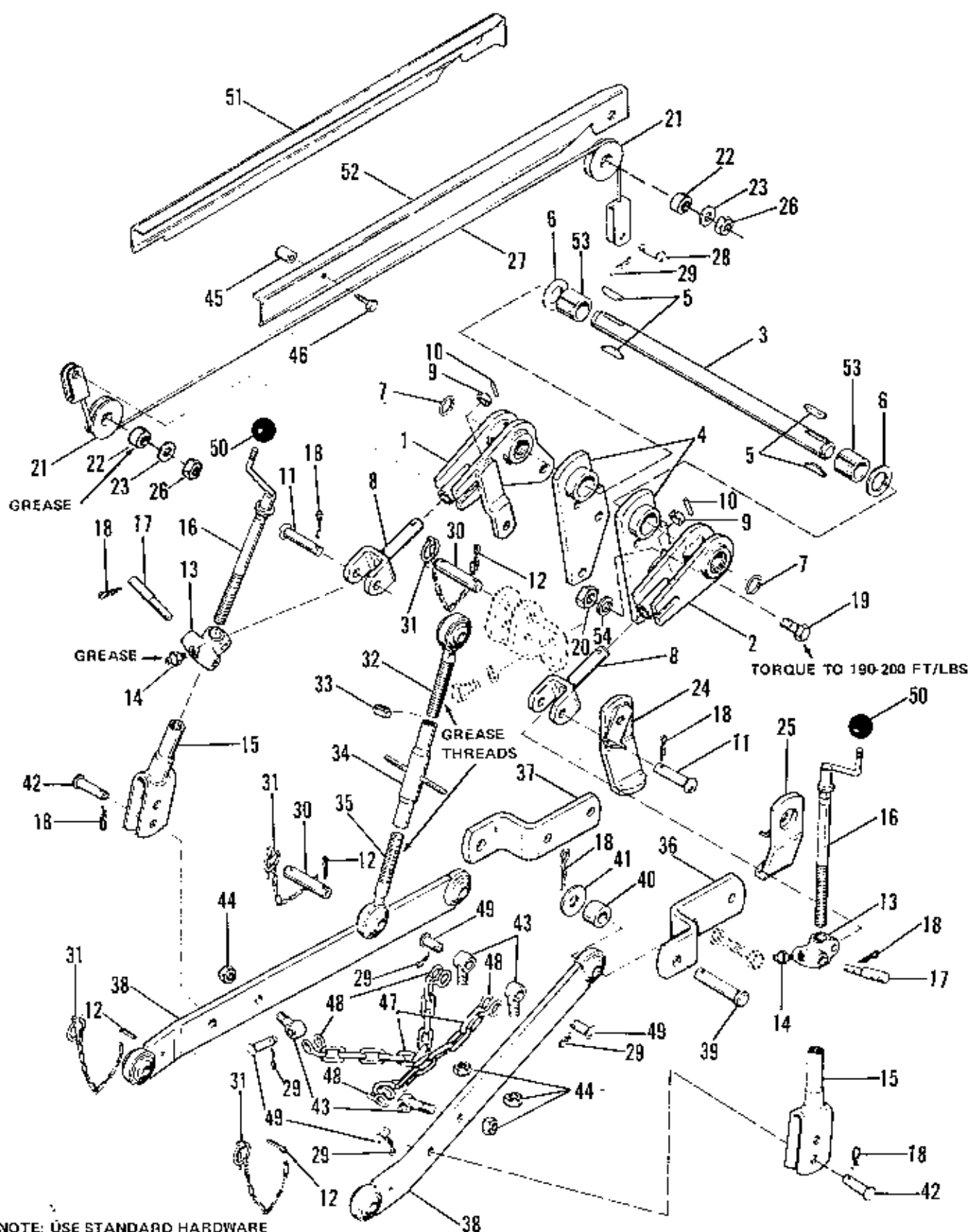


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Mid-Point Lift Group

10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171719	1	{00000}-{ }	SHAFT, Rocker
2	176606	2	{00000}-{ }	SUPPORT ASSY
3	171692	4	{00000}-{ }	KEY
4	106391	2	{00000}-{ }	WASHER
5	154291	2	{00000}-{ }	RING, Retaining
6	923154	2	{00000}-{ }	CAPSCREW, Hex, 1/2-13 x 1-1/2
7	930644	2	{00000}-{ }	NUT, Lock, Flange, 1/2-13
8	172811	1	{00000}-{ }	ARM ASSY, Lift, L.H.
9	172823	1	{00000}-{ }	ARM ASSY, Lift, R.H.
10	172812	1	{00000}-{ }	GUARD, Wire, L.H.
11	172825	1	{00000}-{ }	GUARD, Wire, R.H.
12	106132	2	{00000}-{ }	SPACER
13	930556	2	{00000}-{ }	SCREW, Thd. Forming, 1/4 x 1-1/4
14	172806	2	{00000}-{ }	GUIDE, Wire
15	1655893	4	{00000}-{ }	PULLEY, Cable
16	1655894	4	{00000}-{ }	SPACER
17	918430	4	{00000}-{ }	WASHER, 7 / 16
18	924650	4	{00000}-{ }	NUT, Hex, Lock, 1/2-13
19	172727	2	{00000}-{ }	CABLE ASSY
20	8271015	2	{00000}-{ }	PIN
21	106787	2	{00000}-{ }	CLIP, Spring
22	173753	2	{00000}-{ }	GUIDE, Wire



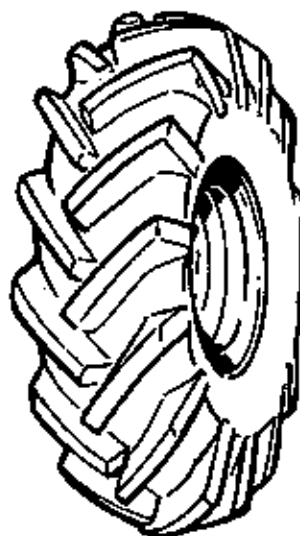
NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Lift & 3-Point Hitch

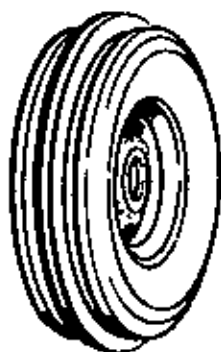
10-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171714	1	{00000}-{ }	ARM ASSY, Lift, L.H.
2	171710	1	{00000}-{ }	ARM ASSY, Lift, R.H.
3	171719	1	{00000}-{ }	SHAFT, Rocker
4	1657205	2	{00000}-{ }	SUPPORT ASSY
5	171692	4	{00000}-{ }	KEY
6	106391	2	{00000}-{ }	WASHER
7	154291	2	{00000}-{ }	RING, Retaining
8	171706	2	{00000}-{ }	CLEVIS ASSY
9	171709	2	{00000}-{ }	COLLAR
10	916937	2	{00000}-{ }	PIN, Spring, 1/4 x 1-1/4
11	8181008	2	{00000}-{ }	PIN, King
12	918461	4	{00000}-{ }	PIN, Cotter, 1/4 x 1-1/2
13	171825	2	{00000}-{ }	TRUNNION
14	913958	2	{00000}-{ }	FITTING, Lube, 1/4
15	171747	2	{00000}-{ }	CLEVIS ASSY
16	171701	2	{00000}-{ }	LINK ASSY
17	173386	2	{00000}-{ }	PIN
18	106788	10	{00000}-{ }	CLIP, Spring
19	923881	2	{00000}-{ }	CAPSCREW, Hex, 5/8-11 x 2, Gr. 8
20	1654237	2	{00000}-{ }	NUT, Heavy, 5/8-11
21	1655893	4	{00000}-{ }	PULLEY, Cable
22	1655894	4	{00000}-{ }	SPACER
23	918430	4	{00000}-{ }	WASHER, 7/16
24	173634	1	{00000}-{ }	BAR ASSY, Rub, L.H.
25	173635	1	{00000}-{ }	BAR ASSY, Rub, R.H.
26	924650	4	{00000}-{ }	NUT, Hex, Lock, Jam, 1/2-13
27	172727	2	{00000}-{ }	CABLE ASSY
28	8271015	2	{00000}-{ }	PIN
29	106787	6	{00000}-{ }	CLIP, Spring
30	171695	2	{00000}-{ }	PIN
31	171689	4	{00000}-{ }	RING, Retaining
32	168281	1	{00000}-{ }	STUD ASSY, R.H. Thread
33	930638	1	{00000}-{ }	NUT, Hex, Full, 3/4-10
34	171720	1	{00000}-{ }	LINK ASSY, Upper
35	171693	1	{00000}-{ }	STUD ASSY, L.H. Thread
36	170185	1	{00000}-{ }	STRAP, Pull Link, R.H.
37	172197	1	{00000}-{ }	STRAP, Pull Link, L.H.
38	168293	2	{00000}-{ }	LINK ASSY, Pull
39	173641	2	{00000}-{ }	PIN
40	173630	2	{00000}-{ }	COLLAR
41	116001	2	{00000}-{ }	WASHER
42	171690	2	{00000}-{ }	PIN
43	168285	4	{00000}-{ }	BOLT, Eye
44	930245	4	{00000}-{ }	NUT, Hex, Lock, 1/2-20
45	106132	2	{00000}-{ }	SPACER
46	930556	2	{00000}-{ }	SCREW, Thr. Form, 1/4 x 1 1/4
47	173006	2	{00000}-{ }	CHAIN
48	168284	4	{00000}-{ }	SHACKLE
49	118053	4	{00000}-{ }	PIN
50	8021050	2	{00000}-{ }	BALL, Knob
51	172812	1	{00000}-{ }	GUARD, Wire, L.H.
52	172825	1	{00000}-{ }	GUARD, Wire, R.H.
53	171691	2	{00000}-{ }	BUSHING
54	917373	2	{00000}-{ }	LOCKWASHER, 5/8

MFG. NO. 1600212



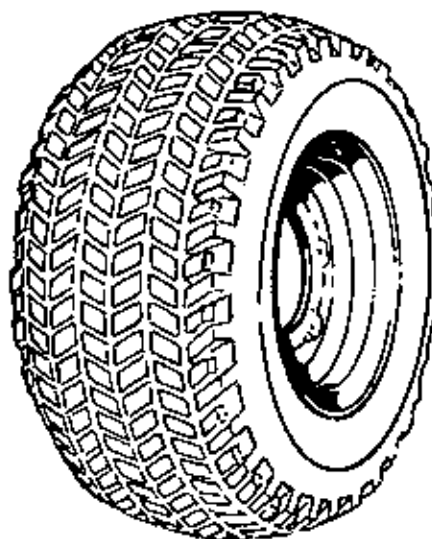
MFG. NO. 1600215



4.00 - 12 R18 (F-2)

8.00 - 16 AGRICULTURAL GRIP

MFG. NO. 1600213



MFG. NO. 1600216



20 x 8.00 - 10 TURF

29 x 12.00 - 15 TURF

MFG. NO. 1600215

Part No.	Qty.	Serial No.	Description
168320	2	(00000)-()	RIM & TIRE ASSY, Front
157029	2	(00000)-()	STEM, Valve
*	2	(00000)-()	TIRE, Tubeless 4.00 - 12 R1B (F-2)
173446	2	(00000)-()	RIM
173474	2	(00000)-()	TUBE
172667	12	(00000)-()	BOLT, Wheel

MFG. NO. 1600212

Part No.	Qty.	Serial No.	Description
168319	2	(00000)-()	RIM & TIRE ASSY, Rear, L.H.
1650037	2	(00000)-()	RIM & TIRE ASSY, Rear, R.H.
157029	2	(00000)-()	STEM, Valve
*	2	(00000)-()	TIRE, Tubeless 8.00 - 16 AGRICULTURAL GRIP
173449	2	(00000)-()	RIM
173475	2	(00000)-()	TUBE
172667	12	(00000)-()	BOLT, Wheel

MFG. NO. 1600216

Part No.	Qty.	Serial No.	Description
168316	2	(00000)-()	RIM & TIRE ASSY
172353	2	(00000)-()	STEM, Valve
*	2	(00000)-()	TIRE, Tubeless 20 x 8.00 - 15 TURF
173457	2	(00000)-()	RIM
173477	2	(00000)-()	TUBE
172667	12	(00000)-()	BOLT, Wheel

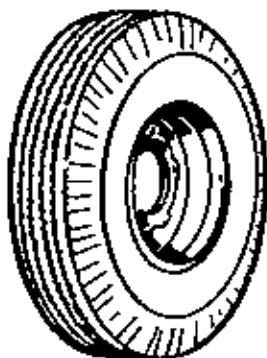
MFG. NO. 1600213

Part No.	Qty.	Serial No.	Description
170875	2	(00000)-()	RIM & TIRE ASSY
157029	2	(00000)-()	STEM, Valve
173452	2	(00000)-()	RIM
*	2	(00000)-()	TIRE, Tubeless 29 x 12.00 - 15 TURF
173476	2	(00000)-()	TUBE
172667	12	(00000)-()	BOLT, Wheel

*OBTAIN TIRES FROM YOUR LOCAL TIRE DEALER.

MFG. NO. 1500214

MFG. NO. 1600217



6.90/6.00-9 HIGH CAPACITY



31 x 15.5-15 HIGH FLOATATION

MFG. NO. 1600217




Part No.	Qty.	Serial No.	Description
173050	2	{00000}-{ }	RIM & TIRE ASSY
*	2	{00000}-{ }	TIRE, Tubeless 6.90/6.00 — 9 HIGH CAPACITY
173480	2	{00000}-{ }	RIM
173459	2	{00000}-{ }	TUBE
172667	12	{00000}-{ }	BOLT, Wheel

MFG. NO. 1600214

Part No.	Qty.	Serial No.	Description
168315	1	{00000}-{ }	RIM & TIRE ASSY, Rear, L.H.
1650034	1	{00000}-{ }	RIM & TIRE ASSY, Rear, R.H.
157029	2	{00000}-{ }	STEM, Valve
*	2	{00000}-{ }	TIRE, Tubeless 31 x 15.5 — 15 HIGH FLOATION
173455	2	{00000}-{ }	RIM
173476	2	{00000}-{ }	TUBE
172667	12	{00000}-{ }	BOLT, Wheel

TORQUE SPECIFICATION FOR STANDARD MACHINE HARDWARE

Tolerance $\pm 10\%$

SIZE	SAE GRADE #2 	SAE GRADE #5 	SAE GRADE #8 
8-32	19 In./Lbs.	30 In./Lbs.	41 In./Lbs.
8-36	20 "	31 "	43 "
10-24	27 "	43 "	60 "
10-32	31 "	49 "	68 "
1/4-20	66 "	8 Ft./Lbs.	12 Ft./Lbs.
1/4-28	76 "	10 "	14 "
5/16-18	11 Ft./Lbs.	17 "	25 "
5/16-24	12 "	19 "	25 "
3/8-16	20 "	30 "	45 "
3/8-24	23 "	35 "	50 "
7/16-14	30 "	50 "	70 "
7/16-20	35 "	55 "	80 "
1/2-13	50 "	75 "	110 "
1/2-20	55 "	90 "	120 "
9/16-20	65 "	110 "	150 "
9/16-18	75 "	120 "	170 "
5/8-11	90 "	150 "	220 "
5/8-18	100 "	180 "	240 "
3/4-10	160 "	260 "	386 "
3/4-16	180 "	300 "	420 "
7/8-9	140 "	400 "	600 "
7/8-14	155 "	440 "	660 "
1-8	220 "	580 "	900 "
1-12	240 "	640 "	1,000 "

NOTES:

- These torque values are to be used for all Simplicity hardware excluding: Locknuts, self-tapping screws, thread forming screws, and sheet metal screws.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

BOLT HEAD MARKING

S.A.E. GRADE:

2 

5 

8 

